



No. 10  
6 MARCH 2004



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nga.mil/>



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

| <u>Name</u>                             | <u>Telephone</u> | <u>DSN</u> | <u>FAX</u>   |
|---|------------------|------------|--------------|
| Maritime Safety Information Division    | 301-227-3370     | 287-3370   | 301-227-4211 |
| World-Wide Navigational Warning Service | 301-227-3147     | 287-3147   | 301-227-3731 |
| Fleet Liaison Officer                   | 301-227-3120     | 287-3120   | 301-227-4211 |
| Maritime Safety Information Website     | 301-227-3296     | 287-3296   | 301-227-4211 |
| Notice to Mariners: Regions 1 and 2     | 301-227-3122     | 287-3122   | 301-227-3175 |
| Notice to Mariners: Regions 3, 4, 5     | 301-227-3146     | 287-3146   | 301-227-3175 |
| Notice to Mariners: Regions 6 thru 9    | 301-227-3146     | 287-3146   | 301-227-3175 |
| Sailing Directions, Fleet Guides        | 301-227-3183     | 287-3183   | 301-227-3174 |
| Navigation Science Publications         | 301-227-3120     | 287-3120   | 301-227-3731 |
| Distribution Issues                     | 301-227-7652     | 287-7652   | 301-227-4211 |

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nga.mil](mailto:NavNotices@nga.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nga.mil](mailto:SDPUBS@nga.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nga.mil](mailto:webmaster_nss@nga.mil).

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

| <u>Observer</u>   | <u>Ship/Organization</u> |
|-------------------|--------------------------|
| QM1(SW) Von Achen | USS FLETCHER             |

**Cover Photo:** The **USS SLATER (DE-766)** is a Canon Class Destroyer Escort launched on February 13, 1944 and commissioned on May 1, 1944. Of the 565 Destroyer Escorts built during World War II, the **USS SLATER** is the only one remaining afloat in the United States and the last one with original battle armament and configuration. She has a displacement of 1,200 tons, is 306 feet long with a beam of 36 feet and carried a crew of 216 men when commissioned. The **USS SLATER** was named after Frank O. Slater of Alabama, a sailor killed aboard the **USS SAN FRANCISCO** during the Battle of Guadalcanal in 1942. The **USS SLATER** saw service in both the Atlantic and Pacific theaters during World War II. She was decommissioned in 1946 and was transferred to Greece on March 1, 1951. The **USS SLATER** served in the Hellenic Navy until 1991, when she was donated to the Destroyer Escort Sailors Association (DESA). She was returned to New York in 1993 and was transferred to her permanent homeport of Albany, New York in October 1997. The **USS SLATER** now serves as a living museum and is being maintained by a crew of dedicated volunteers.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 10/04**

# HYDROGRAM

**National Geospatial-Intelligence Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
NEW PRODUCTS  
OR SERVICES  
IMPORTANT  
CHANGES

**6 March 2004**

## NEW EDITION OF LIST OF LIGHTS

PUB. 110, 2004 EDITION, LIST OF LIGHTS, RADIO AIDS AND FOG SIGNALS FOR GREENLAND, THE EAST COAST OF NORTH AND SOUTH AMERICA (EXCLUDING CONTINENTAL U.S.A. EXCEPT THE EAST COAST OF FLORIDA) AND THE WEST INDIES, IS READY FOR ISSUE. SEE SECTIONS II AND III.

## NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

## COAST PILOT 8 CORRECTION

CHANGE NO. 14 THAT APPEARED IN NOTICE TO MARINERS 7/04 WAS PUBLISHED INCORRECTLY. THE CORRECT CHANGE NO. 14 APPEARS IN THIS NOTICE. SEE SECTION II.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
  - T indicates that it is temporary in nature.
  - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter **M** immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter **M** is not a part of the chart number.
- The letter **N** preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NGA List of Lights.

**Section II-5** lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

|               |  |  |   |   |   |
|---------------|--|--|---|---|---|
| <b>1116A</b>  | Ed. 6/03 LAST NM 7/04<br>Add Submarine pipeline [L40.1] between<br><br>(NOS)   | 10/04<br>27°40.7'N 94°41.5'W<br>27°42.8'N 94°41.6'W<br><br>Submarine pipeline [L40.1] joining<br><br>(NOS)   | 27°42.4'N 94°19.3'W<br>27°42.6'N 94°19.2'W<br>27°42.9'N 94°18.8'W<br>27°44.6'N 94°16.4'W          | <b>11354</b> 24Ed. 4/03 LAST NM 1/04<br><b>(Side A)</b><br>Change Legend to "13 FT BY 400 FEET NOV 2003"<br><br>(NOS) | 10/04<br>29°23'38"N 91°22'00"W<br><br>Legend to "13 FT BY 400 FEET NOV 2003"<br><br>(Supersedes 1/04-11354) |
| <b>1117A</b>  | Ed. 4/03 LAST NM 7/04<br>Add Submarine pipeline [L40.1] joining<br><br>(NOS)   | 10/04<br>27°42.4'N 94°19.3'W<br>27°42.6'N 94°19.2'W<br>27°42.9'N 94°18.8'W<br>27°44.6'N 94°16.4'W<br><br>Submarine pipeline [L40.1] between<br><br>(NOS) | 27°40.6'N 94°41.5'W<br>27°42.8'N 94°41.6'W<br><br>Submarine pipeline [L40.1] between<br><br>(NOS) | <b>★11404</b> 22Ed. 11/03 NEW EDITION<br><br>(NOS)  | 10/04   |
| <b>★11004</b> | 7Ed. 10/29/94 LAST NM 6/04<br>Change Last line of Caution No. 2 to<br>"consult the larger scale charts. Some pipelines<br>shown south of 28°N on 11300, 11340 and<br>11360 may not appear on this chart."<br>(NGA) | 10/04<br>29°47.5'N 97°02.0'W   |   | <b>★11425</b> 35Ed. 11/03 NEW EDITION<br><br>(NOS)  | 10/04   |
| <b>★11300</b> | 39Ed. 4/03 LAST NM 7/04<br>Add Submarine pipeline [L40.1] joining<br><br>(NOS)   | 10/04<br>27°42.4'N 94°19.3'W<br>27°42.6'N 94°19.2'W<br>27°42.9'N 94°18.8'W<br>27°44.6'N 94°16.4'W<br><br>Submarine pipeline [L40.1] between<br><br>(NOS) | 27°40.6'N 94°41.5'W<br>27°42.8'N 94°41.6'W<br><br>Submarine pipeline [L40.1] between<br><br>(NOS) | <b>★11537</b> 34Ed. 4/03 LAST NM 8/04<br>Substitute Buoy "30" R, QR for light "30"<br>(1/04 CG5)                      | 10/04<br>34°00'13"N 77°56'25"W  |
| <b>★11321</b> | 29Ed. 12/15/01 LAST NM 7/04<br>Add Submarine pipeline [L40.1] between<br><br>(NOS)   | 10/04<br>28°36'45"N 95°18'10"W<br>28°38'25"N 95°19'01"W  |   | <b>★12222</b> 45Ed. 11/03 LAST NM 9/04<br>Add Tabulation of controlling depths from<br><br>(NOS)                      | 10/04   |
| <b>11330</b>  | 15Ed. 10/03 LAST NM 7/04<br>Add Submarine pipeline [L40.1] between<br><br>(NOS)  | 10/04<br>28°36.8'N 95°18.2'W<br>28°38.4'N 95°19.0'W  |   | <b>12245</b> 62Ed. 5/03 LAST NM 7/04<br>Add Tabulation of controlling depths from<br><br>(NOS)                        | 10/04   |
| <b>11340</b>  | 68Ed. 6/03 LAST NM 7/04<br>Add Submarine pipeline [L40.1] between<br><br>(NOS)   | 10/04<br>27°40.7'N 94°41.5'W<br>27°42.8'N 94°41.6'W<br><br>Submarine pipeline [L40.1] joining<br><br>(NOS)   | 27°42.4'N 94°19.3'W<br>27°42.6'N 94°19.2'W<br>27°42.9'N 94°18.8'W<br>27°44.6'N 94°16.4'W          | <b>★12253</b> 43Ed. 6/03 LAST NM 2/04<br>Add Tabulation of controlling depths from<br><br>(NOS)                       | 10/04   |
| <b>★11351</b> | 38Ed. 3/03 LAST NM 5/04<br>Change Legend to "13 FT BY 400 FEET NOV 2003"<br>Legend to "13 FT BY 400 FEET NOV 2003"<br>(Supersedes 1/04-11351)<br><br>(NOS)   | 10/04<br>29°23'48"N 91°21'51"W<br>29°18'28"N 91°26'14"W  |   | <b>★12311</b> 42Ed. 8/03 LAST NM 1/04<br>Add Tabulation of controlling depths from<br><br>(NOS)                       | 10/04   |
| <b>11352</b>  | 36Ed. 11/02 LAST NM 7/04<br>Change Legend to "13 FT BY 400 FEET NOV 2003"<br>between<br><br>(NOS)  | 10/04<br>29°23.2'N 91°22.0'W<br>29°25.4'N 91°20.0'W<br><br>Legend to "13 FT BY 400 FEET NOV 2003"<br>29°16.2'N 91°28.7'W<br><br>(Supersedes 1/04-11352)  |   | <b>12312</b> 52Ed. 1/03 LAST NM 1/04<br>Add Tabulation of controlling depths from<br><br>(NOS)                        | 10/04   |
|               |  |  |   | <b>★14836</b> 27Ed. 8/02 LAST NM 42/02<br>Substitute Depth 15 feet for 17 feet<br>(NOS)                               | 10/04<br>41°54'43.2"N 80°47'59.9"W  |
|               |  |  |   | <b>14842</b> 13Ed. 7/03 LAST NM 51/03<br><b>(Page 26)</b><br>Add Tabulation of controlling depths from<br><br>(NOS)   | 10/04   |
|               |  |  |   | <b>14844</b> 31Ed. 1/6/01 LAST NM 5/04<br>Add Tabulation of controlling depths from<br><br>(NOS)                      | 10/04   |
|               |  |  |   | <b>★14845</b> 26Ed. 1/18/97 LAST NM 51/03<br>Add Tabulation of controlling depths from<br><br>(NOS)                   | 10/04   |
|               |  |  |   | <b>★14852</b> 45Ed. 2/03 LAST NM 2/04<br>Change Light to Iso G 4s 30ft (Priv)<br>(20/03 CG9)                          | 10/04<br>42°45'54"N 82°28'13"W  |

|               |   |        |   |                           |
|---------------|---|--------|---|---------------------------|
| <b>14853</b>  | 14Ed. 3/03 LAST NM 26/03<br><b>(Page 45)</b>  | 10/04  | Buoy "C" W Or, Fl 2s (Priv) (20/03 CG9) | 41°51'44.8"N 87°36'21.0"W |
|               | Change Light to Iso G 4s 30ft (Priv) (20/03 CG9)  |        | 42°45'53.2"N 82°28'13.2"W               |                           |
| <b>14901</b>  | 14Ed. 10/02 LAST NM 7/04  | 10/04  |   |                           |
|               | Change Light "1" to "2" Fl R 2.5s 20ft (Priv) (PA) (18/03 CG9)  |        | 45°17.5'N 86°58.6'W                     |                           |
| <b>14902</b>  | 28Ed. 4/7/01 LAST NM 8/04   | 10/04  |   |                           |
|               | Change Light "1" to "2" Fl R 2.5s (PA) (Priv) (18/03 CG9)   |        | 45°17.5'N 86°58.6'W                     |                           |
|               | Light "2" to "1" Fl G 2.5s (PA) (Priv) (18/03 CG9)  |        | 45°17.5'N 86°58.5'W                     |                           |
| <b>★14907</b> | 25Ed. 10/20/01 LAST NM 17/02<br><b>(Inset Arcadia Harbor)</b>   | 10/04  |   |                           |
|               | Relocate Light "1" from 44°29'00.9"N 86°14'58.3"W to 44°29'01.1"N 86°14'58.1"W  |        |   |                           |
|               | Light "2" from 44°28'58.7"N 86°15'02.2"W to 44°28'59.0"N 86°15'01.6"W   |        |   |                           |
|               | <b>(Inset Frankfort Harbor)</b>   |        |   |                           |
|               | Delete Depth 21 feet  |        | 44°37'47.0"N 86°15'09.5"W               |                           |
|               | Substitute Depth 11 feet for 14 feet  |        | 44°37'46.5"N 86°15'07.7"W               |                           |
|               | Change Legend to "22 FT OCT 2003"   |        | 44°37'48.5"N 86°15'07.0"W               |                           |
|               | Legend to "20 FT OCT 2003"  |        | 44°37'50.0"N 86°14'57.0"W               |                           |
|               | Legend to "23 FT OCT 2003"  |        | 44°37'47.0"N 86°14'56.0"W               |                           |
|               | Legend to "21 ½ FT OCT 2003"  |        | 44°37'45.0"N 86°14'55.0"W               |                           |
|               | Legend to "23 ½ FT OCT 2003"  |        | 44°37'46.0"N 86°14'44.0"W               |                           |
|               | Legend to "17 FT OCT 2003"  |        | 44°37'48.5"N 86°14'24.0"W               |                           |
|               | Add Depth 18 feet   |        | 44°37'46.8"N 86°15'09.0"W               |                           |
|               | <b>(Inset Pentwater Harbor)</b>   |        |   |                           |
|               | Relocate Light "3" from 43°46'56.2"N 86°26'37.2"W to 43°46'56.5"N 86°26'37.0"W (NOS; 22/03 CG9)   |        |   |                           |
| <b>★14909</b> | 19Ed. 2/14/98 LAST NM 49/03   | 10/04  |   |                           |
|               | Change Light "1" to "2" Fl R 2.5s 20ft (PA) (Priv) (18/03 CG9)  |        | 45°17'32"N 86°58'34"W                   |                           |
|               | Light "2" to "1" Fl G 2.5s 20ft (PA) (Priv) (18/03 CG9)   |        | 45°17'28"N 86°58'30"W                   |                           |
| <b>★14911</b> | 20Ed. 7/14/01 LAST NM 4/03  | 10/04  |   |                           |
|               | Relocate Buoy "2" from 45°44'18"N 85°29'42"W to 45°44'19"N 85°29'40"W   |        |   |                           |
|               | <b>(Inset St. James Harbor)</b>   |        |   |                           |
|               | Relocate Buoy "4" from 45°44'27.0"N 85°30'33.2"W to 45°44'26.5"N 85°30'31.7"W   |        |   |                           |
|               | Buoy "6" from 45°44'45.0"N 85°30'58.2"W to 45°44'46.5"N 85°31'00.6"W (22/03 CG9)  |        |   |                           |
| <b>★14913</b> | 18Ed. 5/03 LAST NM 8/04   | 10/04  |   |                           |
|               | Relocate Buoy "7" from 44°51'12"N 85°35'53"W to 44°51'15"N 85°35'49"W   |        |   |                           |
|               | <b>(Inset Petoskey)</b>   |        |   |                           |
|               | Relocate Light from 45°22'48.8"N 84°57'41.3"W to 45°22'48.3"N 84°57'41.4"W (22/03 CG9)  |        |   |                           |
| <b>14926</b>  | 10Ed. 4/03 LAST NM 8/04<br><b>(Page 8)</b>  | 10/04  |   |                           |
|               | Add Buoy "A" W Or, Fl 2s (Priv) (20/03 CG9)   |        | 41°51'52.2"N 87°36'21.2"W               |                           |
|               | Buoy "B" W Or, Fl 2s (Priv) (20/03 CG9)   |        | 41°51'48.5"N 87°36'21.0"W               |                           |
|               | Buoy "C" W Or, Fl 2s (Priv) (20/03 CG9)   |        | 41°51'44.8"N 87°36'21.0"W               |                           |
| <b>★14928</b> | 21Ed. 11/02 LAST NM 7/04  | 10/04  |   |                           |
|               | Add Buoy "A" W Or, Fl 2s (Priv) (20/03 CG9)   |        | 41°51'52.2"N 87°36'21.2"W               |                           |
|               | Buoy "B" W Or, Fl 2s (Priv) (20/03 CG9)   |        | 41°51'48.5"N 87°36'21.0"W               |                           |
| <b>14935</b>  | 21Ed. 6/28/97 LAST NM 1/04  | 10/04  |   |                           |
|               | Change Height of light "2" to 33ft (USCG LL)  |        | 43°22'29.7"N 86°25'46.4"W               |                           |
| <b>★14937</b> | 24Ed. 10/02 LAST NM 17/03   | 10/04  |   |                           |
|               | Relocate Light from 43°57'10.5"N 86°27'45.5"W to 43°57'10.6"N 86°27'45.0"W  |        |   |                           |
|               | Substitute Depth 16 feet for 17 feet (NOS; 22/03 CG9)   |        | 43°57'07.9"N 86°28'09.3"W               |                           |
| <b>★14975</b> | 33Ed. 10/02 LAST NM 49/03   | 10/04  |   |                           |
|               | Relocate Buoy "22" from 46°43'02.2"N 92°10'54.8"W to 46°43'02.4"N 92°10'53.5"W  |        |   |                           |
|               | Buoy "23" from 46°42'52.2"N 92°11'21.3"W to 46°42'51.5"N 92°11'20.3"W   |        |   |                           |
|               | Buoy "27" from 46°42'42.0"N 92°11'38.0"W to 46°42'43.3"N 92°11'37.1"W   |        |   |                           |
|               | Buoy "28" from 46°42'32.0"N 92°11'51.7"W to 46°42'35.1"N 92°11'49.4"W   |        |   |                           |
|               | Buoy "29" from 46°42'28.2"N 92°11'51.0"W to 46°42'33.4"N 92°11'47.0"W   |        |   |                           |
|               | Buoy "30" from 46°42'18.7"N 92°12'00.0"W to 46°42'18.7"N 92°12'01.1"W   |        |   |                           |
|               | Buoy "31" from 46°42'14.8"N 92°11'57.2"W to 46°42'15.0"N 92°11'58.6"W   |        |   |                           |
|               | Buoy "32" from 46°41'59.5"N 92°12'02.8"W to 46°42'00.1"N 92°12'03.5"W   |        |   |                           |
|               | Buoy "33" from 46°41'50.2"N 92°11'53.9"W to 46°41'51.5"N 92°11'56.9"W   |        |   |                           |
|               | Buoy "31A" from 46°41'58.7"N 92°11'59.6"W to 46°41'59.5"N 92°11'59.9"W  |        |   |                           |
|               | Buoy "34" from 46°41'48.8"N 92°11'56.0"W to 46°41'50.8"N 92°12'00.2"W   |        |   |                           |
|               | Buoy "35" from 46°41'47.2"N 92°11'47.5"W to 46°41'46.2"N 92°11'48.4"W (20/03 CG9)   |        |   |                           |
| <b>15017</b>  | 4Ed. 1/18/86 LAST NM 24/98  | 10/04  |   |                           |
|               | Add Depth 6 fathoms 2 feet "Rep (2003)" [I3.2] (12/5450)03 Ottawa)  |        | 59°13.9'N 78°59.9'W                     |                           |
| <b>15300</b>  | Ed. 8/15/86 LAST NM N50/99  | N10/04 |   |                           |
|               | Add Depth 6 fathoms 2 feet "Rep (2003)" [I3.2] (12/5450)03 Ottawa)  |        | 59°13.9'N 78°59.9'W                     |                           |
| <b>★16013</b> | 29Ed. 11/03 NEW EDITION (NOS)   | 10/04  |   |                           |
| <b>★16363</b> | 12Ed. 7/02 LAST NM 38/02  | 10/04  |   |                           |
|               | Relocate Light "5" from 55°58'46.0"N 160°34'45.5"W to 55°58'40.6"N 160°34'59.0"W (5/04 CG17)  |        |   |                           |
| <b>★16710</b> | 16Ed. 12/13/97 LAST NM 23/01  | 10/04  |   |                           |
|               | Change Note to "CORDOVA HARBOR"   |        |   |                           |
|               | The controlling depth for the entrance and access channel was 14.5 feet at MLLW. The controlling depths for the berthing areas vary from 2.8 feet to 12.0 feet at MLLW. A pinnacle rock 6.5 feet below MLLW has been reported along the west edge of the entrance channel at the approximate position 60°32'48"N 145°46'04"W. |        |   |                           |
|               | June 2003"  |        | 60°34'25"N 145°42'48"W                  |                           |
| <b>★17328</b> | 7Ed. 11/03 NEW EDITION (NOS)  | 10/04  |   |                           |

## SECTION I

**NM 10/04**

|               |   |                                 |               |   |  |
|---------------|---|---------------------------------|---------------|---|--|
| <b>★17330</b> | 8Ed. 11/03 NEW EDITION<br>(NOS)   | 10/04                           | <b>19339</b>  | 1Ed. 7/19/97 LAST NM N8/04<br>Add Position circle "Pipe" [L23]<br>(2/04 CG14)   | N10/04<br>21°17.7'N 157°57.1'W   |
| <b>★17378</b> | 13Ed. 5/5/90 LAST NM 15/00<br>Delete BELL from buoy "8"<br>(USCG LL)  | 10/04<br>56°22'09"N 133°38'34"W | <b>19340</b>  | 26Ed. 12/2/00 LAST NM 8/04<br>Add Position circle "Pipe" [L23]<br>(2/04 CG14)   | 10/04<br>21°17.7'N 157°57.1'W  |
| <b>★17407</b> | 15Ed. 11/03 NEW EDITION<br>(NOS)  | 10/04                           | <b>19357</b>  | 22Ed. 8/02 LAST NM 50/03<br>Add Position circle "Pipe" [L23]<br>(2/04 CG14)   | 10/04<br>21°17'40"N 157°57'04"W  |
| <b>17518</b>  | 7Ed. 1/7/95 LAST NM 47/03<br>Add Anchor berth "S" [N11.1]<br>(11(3463)03 Ottawa)  | 10/04<br>49°07'44"N 123°18'30"W | <b>19362</b>  | 12Ed. 6/1/96 LAST NM 49/02<br>Add Position circle "Pipe" [L23]<br>(2/04 CG14)   | 10/04<br>21°17'40.2"N 157°57'03.6"W  |
| <b>18005</b>  | 4Ed. 9/20/97 LAST NM N4/04<br>Add Purple hachured line (Airspace Warning Area)<br>between 35°29.7'N 123°00.0'W<br>35°55.6'N 122°00.8'W  | N10/04                          | <b>★19366</b> | 36Ed. 1/12/02 LAST NM 50/03<br>Add Position circle "Pipe" [L23]<br>(2/04 CG14)  | 10/04<br>21°17'40.2"N 157°57'03.6"W  |
|               | Purple hachured line (Airspace Warning Area)<br>between 36°38.5'N 123°39.1'W<br>35°33.2'N 122°51.1'W                                    |                                 | <b>19369</b>  | 5Ed. 7/8/00 LAST NM 50/03<br>Add Position circle "Pipe" [L23]<br>(2/04 CG14)  | 10/04<br>21°17'40.2"N 157°57'03.6"W  |
|               | Purple hachured line (Airspace Warning Area)<br>between 35°44.2'N 122°26.3'W<br>35°20.0'N 122°09.4'W                                    |                                 | <b>22112</b>  | 3Ed. 11/2/96 LAST NM 5/04<br>Add Dangerous submerged rock [K13] "Rep"<br>(5(505)04 Taunton)   | 10/04<br>2°38.0'S 80°13.3'W  |
|               | Position circle with legend "Corse"<br>Legend "Area 1"<br>Legend "Area 2"<br>Legend "Area 3"<br>Legend "Area 4"                         |                                 | <b>22113</b>  | 8Ed. 1/2/99 LAST NM 5/04<br><b>(Panel A)</b><br>Add Dangerous submerged rock [K13] "Rep"<br>(5(505)04 Taunton)  | 10/04<br>2°37'57"S 80°13'20"W  |
|               | 35°57.0'N 121°57.0'W<br>36°14.0'N 123°07.0'W<br>35°58.0'N 123°20.0'W<br>35°37.0'N 122°06.0'W<br>35°28.5'N 122°38.0'W                    |                                 | <b>★22181</b> | 17Ed. 11/29/03 NEW EDITION<br><b>(Plan)</b><br>Add Stranded wreck [K24]<br>Stranded wreck [K24]<br>(Previously published 2/04)<br>(NGA)   | 10/04<br>13°49'26.1"S 76°15'03.8"W<br>13°49'21.1"S 76°15'03.3"W  |
| <b>★18009</b> | 2Ed. 8/12/95 LAST NM N40/03<br>Add Purple hachured line (Airspace Warning Area)<br>between 35°29.1'N 123°00.0'W<br>35°55.6'N 122°00.8'W | N10/04                          | <b>★22182</b> | 7Ed. 11/1/03 NEW EDITION<br>(NGA)   | 10/04  |
|               | Purple hachured line (Airspace Warning Area)<br>between 36°38.5'N 123°39.1'W<br>35°33.2'N 122°51.1'W                                    |                                 | <b>24103</b>  | 3Ed. 3/15/97 LAST NM 40/98<br>Add Depth 5.4 meters Rk [K14]<br>Depth 2.8 meters Rk [K14]<br>Depth 5.7 meters Rk [K14]<br>Depth 4.1 meters Rk [K14]<br>Depth 7.2 meters Rk [K14]<br>(23(143)03 Rio de Janeiro) | 10/04<br>30°06'04"S 51°16'35"W<br>30°05'52"S 51°16'30"W<br>30°05'56"S 51°16'16"W<br>30°05'53"S 51°16'11"W<br>30°05'51"S 51°16'13"W |
|               | Purple hachured line (Airspace Warning Area)<br>between 35°44.2'N 122°26.3'W<br>35°20.0'N 122°09.4'W                                    |                                 | <b>24160</b>  | 21Ed. 6/17/95 LAST NM 47/03<br>Add Depth 21 meters Wk [K26]<br>(23(139)03 Rio de Janeiro)   | 10/04<br>22°20.2'S 41°25.1'W   |
|               | Position circle with legend "Corse"<br>Legend "Area 1"<br>Legend "Area 2"<br>Legend "Area 3"<br>Legend "Area 4"                         |                                 | <b>24161</b>  | 11Ed. 6/8/96 LAST NM 47/03<br>Add Beacon "A", "X" topmark<br>(22(133)03 Rio de Janeiro)   | 10/04<br>22°50'29"S 43°06'03"W   |
|               | 35°57.0'N 121°57.0'W<br>36°21.0'N 123°06.0'W<br>36°00.0'N 123°50.0'W<br>35°40.0'N 122°08.5'W<br>35°28.5'N 122°41.0'W                    |                                 | <b>24162</b>  | 9Ed. 8/3/96 LAST NM 52/03<br>Add Beacon "A", "X" topmark<br>(22(133)03 Rio de Janeiro)  | 10/04<br>22°50'28.8"S 43°06'03.0"W   |
| <b>18400</b>  | 44Ed. 8/03 LAST NM 8/04<br>Add Anchor berth "S" [N11.1]<br>(11(3463)03 Ottawa)  | 10/04<br>49°07.7'N 123°18.5'W   | <b>25485</b>  | 45Ed. 12/17/94 LAST NM 36/03<br>Change Light (Fl G 5s 9m) to QG 9m<br>Light (QG 8m 6M) to Fl G 4s 8m 6M<br><b>(Plan A)</b><br>Delete Buoy "Fairway"<br>Change Light to QG 9m                                  | 10/04<br>13°06'37"N 59°37'48"W<br>13°06'24"N 59°37'48"W<br>13°06'34"N 59°38'10"W<br>13°06'35"N 59°37'49"W                          |
| <b>18415</b>  | 8Ed. 7/8/95 LAST NM 9/04<br>Change Legend to "2 Lts Fl Y 4s Priv PA"<br>(Can LL)  | 10/04<br>48°42'00"N 123°32'16"W |               |   |  |
| <b>★18682</b> | 14Ed. 11/03 NEW EDITION<br>(NOS)  | 10/04                           |               |   |  |
| <b>★19008</b> | 4Ed. 11/3/84 LAST NM 46/03<br>Relocate Buoy "51004" from 17°27.3'N 152°29.4'W to<br>17°31.3'N 152°28.9'W<br>(NTM0002/2004)              | 10/04                           |               |   |  |
| <b>19009</b>  | 4Ed. 2/16/85 LAST NM 46/03<br>Relocate Buoy "51004" from 17°27.3'N 152°29.4'W to<br>17°31.3'N 152°28.9'W<br>(NTM0002/2004)              | 10/04                           |               |   |  |
| <b>★19329</b> | 8Ed. 11/03 NEW EDITION<br>(NOS)   | 10/04                           |               |   |  |

(continued on next page)

|               |   |   |       |  |  |  |
|---------------|---|---|-------|--|--|--|
| <b>25485</b>  | (Continued)   |   |       |  |  |  |
|               | Light to Fl G 4s 8m 6M<br>Range light, rear to Oc G 4.5s<br>(See 36/03-25485)   | 13°06'23"N 59°37'49"W<br>13°06'31"N 59°37'34"W  |       |  |  |  |
| Add           | Buoy "Fairway" G, pillar, can topmark, QG<br><br>Buoy R, conical, QR<br>(NTM0003/2004)  | 13°06'35"N 59°38'14"W<br>13°06'25"N 59°38'10"W  |       |  |  |  |
| <b>★25487</b> | 2Ed. 10/29/94 LAST NM 36/03<br>Delete Buoy "Fairway"  | 13°06'34.8"N 59°38'10.0"W   | 10/04 |  |  |  |
| Relocate      | Buoy from 13°06'28.1"N 59°38'06.7"W to<br>and add light QR<br>(See 36/03-25487)   | 13°06'25.3"N 59°38'09.8"W   |       |  |  |  |
| Change        | Light to QG 9m<br>Range light, rear to Oc G 4.5s<br>Light to Fl G 4s 8m 6M  | 13°06'34.8"N 59°37'48.2"W<br>13°06'31.4"N 59°37'34.2"W<br>13°06'22.4"N 59°37'48.6"W   |       |  |  |  |
| Add           | Buoy "Fairway" G, pillar, can topmark, QG<br><br>(NTM0003/2004)   | 13°06'34.8"N 59°38'14.0"W   |       |  |  |  |
| <b>27042</b>  | 21Ed. 7/22/95 LAST NM 42/03<br><b>(Plan A)</b><br>Add Buoy "5" G, can<br>(12(62)03 Habana)  | 21°16'24"N 76°31'52"W   | 10/04 |  |  |  |
| <b>37025</b>  | 26Ed. 8/9/97 LAST NM 4/04<br>Delete R Bn at light<br>(37(541)03 Cadiz)  | 42°53.0'N 9°16.2'W  | 10/04 |  |  |  |
| <b>37034</b>  | 2Ed. 9/12/98 LAST NM 41/03<br>Delete R Bn at light<br>(37(541)03 Cadiz)   | 42°53.0'N 9°16.2'W  | 10/04 |  |  |  |
| <b>43106</b>  | 6Ed. 3/23/96 LAST NM 7/04<br>Change Visibility (range) of light to 4-3M<br>Visibility (range) of light to 8-5M<br>Height of light to 7m<br>Height of light to 4m<br><br>Visibility (range) of light to 13-10M<br>(BA LL)  | 69°39'01"N 18°58'50"E<br>69°45'19"N 19°05'47"E<br>69°40'13"N 18°51'45"E<br>69°46'43"N 19°16'27"E<br><br>69°46'24"N 19°03'16"E   | 10/04 |  |  |  |
| <b>43124</b>  | 5Ed. 1/4/97 LAST NM 7/04<br>Change Visibility (range) of light to 4-3M<br>(BA LL)   | 69°39'02"N 18°58'50"E   | 10/04 |  |  |  |
| <b>43125</b>  | 7Ed. 3/16/96 LAST NM 7/04<br><b>(Plan A)</b><br>Change Light to Oc(3) WRG 10s 4m 4-3M<br>(BA LL)  | 69°39'01.9"N 18°58'53.9"E   | 10/04 |  |  |  |
| <b>43249</b>  | 2Ed. 3/24/84 LAST NM 52/98<br>Change Characteristic of light to Iso WG 6s<br>Visibility (range) of light to 6-4M<br>(BA LL)   | 63°24'44"N 8°27'48"E<br>63°22'32"N 8°13'40"E  | 10/04 |  |  |  |
| <b>43260</b>  | 4Ed. 11/22/97 LAST NM 47/03<br>Change Visibility (range) of light to 3M<br>Visibility (range) of light to 5-3M<br>Visibility (range) of light to 5-3M<br>Visibility (range) of light to 3M<br>Visibility (range) of light to 4-2M<br>Visibility (range) of light to 6-4M<br>Visibility (range) of light to 4-2M<br>(BA LL)  | 63°18.9'N 8°31.1'E<br>63°19.2'N 8°37.8'E<br>63°24.7'N 8°27.4'E<br>63°28.0'N 8°41.6'E<br>63°27.0'N 8°59.7'E<br>63°22.6'N 8°13.2'E<br>63°25.8'N 8°20.2'E  | 10/04 |  |  |  |
| <b>43266</b>  | 1Ed. 4/10/93 LAST NM 47/03<br>Change Height of light to 6m<br>(BA LL)   | 62°17'14"N 7°00'18"E  | 10/04 |  |  |  |
| <b>43300</b>  | 5Ed. 7/20/96 LAST NM 51/03<br>Change Characteristic of light to Fl WRG<br>Characteristic of light to Fl R<br>(BA LL)  | 60°50.9'N 4°45.3'E<br>60°51.3'N 4°51.3'E  | 10/04 |  |  |  |
| <b>43302</b>  | 4Ed. 4/9/94 LAST NM 50/02<br>Delete Visibility (range) from light<br><br>Change Characteristic of light to Fl WRG 5s<br>Characteristic of light to VQ(3) 5s<br>Characteristic of light to Fl R 3s<br>Height of light to 4m<br>(BA LL)   | 60°49'10"N 4°45'20"E<br>60°50'56"N 4°45'19"E<br>60°52'23"N 4°46'26"E<br>60°51'18"N 4°51'18"E<br>60°49'03"N 5°00'52"E  | 10/04 |  |  |  |
| <b>43304</b>  | 2Ed. 9/5/92 LAST NM 43/03<br>Delete Visibility (range) from light<br>Visibility (range) from light<br><br>Change Light to Iso WRG 2s 7m<br>Characteristic of light to Fl WRG 5s<br>Characteristic of light to VQ(3) 5s<br>Characteristic of light to Fl R 3s<br>(BA LL)   | 60°49'26"N 4°47'43"E<br>60°49'09"N 4°45'21"E<br>60°48'53"N 4°46'35"E<br>60°50'56"N 4°45'17"E<br>60°52'23"N 4°46'26"E<br>60°51'18"N 4°51'18"E  | 10/04 |  |  |  |
| <b>43371</b>  | 13Ed. 4/17/99 LAST NM 43/03<br>Delete Light<br>Light<br><br>Change Light to Oc WRG 6s 8m 10-8M<br>Visibility (range) of light to 4M<br>Height of light to 10m<br>Height of light to 4m<br>Height of light to 3m<br>Visibility (range) of light to 6-4M<br>(BA LL)   | 59°42'02"N 10°34'52"E<br>59°41'58"N 10°35'16"E<br>59°40'43"N 10°36'31"E<br>59°41'42"N 10°36'11"E<br>59°43'33"N 10°32'10"E<br>59°45'44"N 10°34'54"E<br>59°49'03"N 10°35'52"E<br>59°52'16"N 10°39'25"E  | 10/04 |  |  |  |
| <b>43372</b>  | 4Ed. 3/16/91 LAST NM 22/02<br>Change Visibility (range) of light to 6-4M<br>(BA LL)   | 59°52'16.3"N 10°39'22.3"E   | 10/04 |  |  |  |
| <b>43374</b>  | 1Ed. 1/15/00 LAST NM 43/03<br>Delete Light<br>Light<br><br>Change Light to Oc WRG 6s 8m 10-8M<br>Visibility (range) of light to 4M<br>Height of light to 10m<br>Height of light to 4m<br>Height of light to 3m<br>Height of light to 7m<br>Visibility (range) of light to 6-4M<br><br>Add Visibility (range) 3M to light<br><br>(Plan)<br>Change Light to Oc WRG 6s 8m 10-8M<br>(BA LL) | 59°42'03.5"N 10°34'54.0"E<br>59°41'58.0"N 10°35'16.0"E<br>59°40'43.0"N 10°36'31.0"E<br>59°41'41.5"N 10°36'11.0"E<br>59°43'33.5"N 10°32'06.5"E<br>59°45'44.0"N 10°34'54.0"E<br>59°49'03.5"N 10°35'52.0"E<br>59°51'55.0"N 10°33'20.0"E<br>59°52'16.5"N 10°39'21.0"E<br>59°42'20.5"N 10°34'57.5"E<br>59°40'42.0"N 10°36'31.2"E | 10/04 |  |  |  |
| <b>51007</b>  | 22Ed. 12/18/93 LAST NM 9/04<br>Delete R Bn at light<br>R Bn at light<br>(14(260), 37(541)03 Cadiz)  | 42°06.2'N 8°53.8'W<br>42°52.9'N 9°16.3'W  | 10/04 |  |  |  |
| <b>51100</b>  | 7Ed. 10/22/94 LAST NM 41/03<br>Delete R Bn at light<br><br>Change Light to Fl 6s 9m 10M<br>Light to Fl(2+1) 15s 85m 24M<br><br>Buoy to R, pillar, can topmark, Iso R 5s<br>(17(232)00, 50(930)01, 14(260), 37(543)03 Cadiz)   | 42°52.9'N 9°16.3'W<br>42°08.2'N 8°50.2'W<br>42°06.2'N 8°53.8'W<br>42°22.4'N 8°47.3'W  | 10/04 |  |  |  |
| <b>52031</b>  | 1Ed. 2/1/92 LAST NM 7/04<br>Add Danger circle [K40] "Obstn (Marine farm)"<br>(37(544)03 Cadiz)  | 40°54.6'N 0°51.5'E  | 10/04 |  |  |  |

## SECTION I

NM 10/04

|               |   |  |   |
|---------------|---|--|---|
| <b>★52088</b> | 3Ed. 10/11/03 NEW EDITION<br>Add Wreck [K29]<br>(Previously published 49/03)<br>(NGA; 52(907)02 Cadiz)  | 10/04<br>38°40'00"N 0°16'00"E  | Buoy "RL(T) 23" 25°55'25.0"N 51°35'55.5"E<br>Buoy 25°55'11.0"N 51°36'06.5"E<br>Position circle "Current meter" 25°55'29.0"N 51°37'38.0"E<br>Position circle "Current meter" 25°55'39.3"N 51°37'39.0"E<br>Buoy 25°55'39.3"N 51°37'39.3"E<br>Legend "(under constr 1997)" 25°55'33.0"N 51°35'30.0"E   |
| <b>52170</b>  | 3Ed. 7/8/95 LAST NM 52/03<br>Add Wreck [K29] (PA)<br>(19(7)03 Genova)   | 10/04<br>35°07.0'N 12°25.0"E   | Substitute Buoy "IH4" R, can, L Fl R 10s for<br>buoy (mooring) 25°55'14.0"N 51°35'48.0"E  |
| <b>53011</b>  | 2Ed. 2/10/01 LAST NM 7/04<br>Add Wreck [K29] (PA)<br>(19(7)03 Genova)   | 10/04<br>36°04.0'N 13°01.0"E   | Depth 12.4 meters for 12.1 meters<br>25°56'13.5"N 51°36'43.0"E<br>Depth 7.7 meters for 7.1 meters 25°55'43.5"N 51°35'18.5"E<br>Depth 9.2 meters for 9.7 meters 25°55'11.5"N 51°36'23.0"E<br>Depth 9.7 meters for 9.1 meters 25°55'21.0"N 51°36'16.0"E<br>Depth 6.7 meters for 6.1 meters 25°55'11.0"N 51°35'43.5"E<br>Depth 6.5 meters for 6.9 meters 25°54'49.0"N 51°36'04.0"E |
| <b>53220</b>  | 6Ed. 9/27/86 LAST NM 4/04<br>Add Wreck [K29] (PA)<br>(19(7)03 Genova)   | 10/04<br>36°04.0'N 13°01.0"E   | Change Light to QY 25°55'30.0"N 51°36'05.0"E<br>Light to QY 25°55'33.0"N 51°36'01.0"E   |
| <b>54082</b>  | 12Ed. 11/5/94 LAST NM 11/98<br>Delete Beacon<br>(13(7)03 Genova)  | 10/04<br>40°39'06.0"N 17°58'35.0"E   | Add Buoy (mooring) [Q40] 25°55'10.8"N 51°36'07.2"E<br>Buoy "IH2" R, can, L Fl R 10s 25°55'15.0"N 51°36'15.0"E   |
| <b>54083</b>  | 4Ed. 3/7/98 LAST NM 19/02<br>Delete Beacon<br>(13(7)03 Genova)  | 10/04<br>40°39'00.0"N 17°58'36.0"E   | Land tint to area (quay) bound by shore and<br>solid line joining<br>25°55'30.5"N 51°35'36.0"E<br>25°55'20.0"N 51°35'44.5"E<br>25°55'22.5"N 51°35'49.0"E<br>25°55'25.0"N 51°35'46.5"E<br>25°55'33.0"N 51°35'59.0"E<br>and delete hydrography within above area  |
| <b>54105</b>  | 3Ed. 8/31/02 LAST NM 50/03<br>Add Dangerous wreck [K28]   | 10/04<br>43°30.0'N 13°39.9"E   | Legend "New Service Berths" between<br>25°55'30.0"N 51°35'39.0"E<br>25°55'22.0"N 51°35'45.0"E   |
|               | Buoy BRB, pillar, double ball topmark,<br>Fl(2) 10s<br>(14(9)03 Genova)   | 43°30.1'N 13°40.2"E  | Light QG (PA) 25°55'20.0"N 51°35'44.5"E<br>(3/04 MENAS; BA CH 3789)   |
| <b>54115</b>  | 3Ed. 8/31/02 LAST NM 30/03<br>Add Dangerous wreck [K28]   | 10/04<br>43°30.0'N 13°39.9"E   |   |
|               | Buoy BRB, pillar, double ball topmark,<br>Fl(2) 10s<br>(14(9)03 Genova)   | 43°30.1'N 13°40.2"E  |   |
| <b>54120</b>  | 5Ed. 9/19/92 LAST NM 19/03<br>Add Dangerous wreck [K28]   | 10/04<br>43°30.0'N 13°39.9"E   |   |
|               | Buoy BRB, pillar, double ball topmark,<br>Fl(2) 10s<br>(14(9)03 Genova)   | 43°30.1'N 13°40.2"E  |   |
| <b>56011</b>  | 1Ed. 8/3/91 LAST NM 52/03<br>Add Wreck [K29] (PA)<br>Wreck [K29] (PA)<br>(19(7)03 Genova)   | 10/04<br>35°07.0'N 12°25.0"E<br>36°04.0'N 13°01.0"E  |   |
| <b>56067</b>  | 3Ed. 8/17/02 LAST NM 8/04<br><b>(Panel A)</b><br>Add Danger circle "Obstn (current meter)" [K40]<br>(20/03 Haifa)   | 10/04<br>31°50'37.0"N 34°37'59.0"E   |   |
| <b>62411</b>  | 1Ed. 5/23/98 LAST NM 52/02<br>Delete Buoy (mooring)<br>Buoy (mooring)<br>Buoy (mooring)<br>Buoy (mooring)<br>Buoy (mooring)<br>Period from buoy "RL 1"<br>Period from buoy "RL 2"<br>(3/04 MENAS; BA CH 3789) | 10/04<br>25°56'06.5"N 51°35'06.0"E<br>25°56'03.5"N 51°35'24.5"E<br>25°54'43.5"N 51°36'48.5"E<br>25°54'57.0"N 51°36'39.5"E<br>25°55'04.5"N 51°36'53.0"E<br>25°55'18.0"N 51°40'30.0"E<br>25°55'07.0"N 51°40'27.0"E |   |
| <b>62413</b>  | 12Ed. 3/22/03 LAST NM 52/03<br>Relocate Buoy "Sitrah Buoy" from<br>26°10'19.8"N 50°42'52.8"E to<br>(2/04 MENAS)   | 10/04<br>26°10'12.0"N 50°42'54.0"E   |   |
| <b>62417</b>  | 1Ed. 5/23/98 LAST NM 52/02<br>Delete Buoy (mooring)<br>Buoy (mooring)<br>Buoy (mooring)<br>Buoy (mooring)<br>Buoy (mooring)   | 10/04<br>25°56'06.5"N 51°35'06.0"E<br>25°56'03.5"N 51°35'24.5"E<br>25°54'43.5"N 51°36'48.5"E<br>25°54'57.0"N 51°36'39.5"E<br>25°55'04.5"N 51°36'53.0"E   |   |
| <b>62420</b>  | 5Ed. 5/4/96 LAST NM 52/03<br>Relocate Buoy from 26°10'30"N 50°42'54"E to<br>(2/04 MENAS)  | 10/04<br>26°10'12"N 50°42'54"E   |   |
| <b>62453</b>  | 4Ed. 3/22/03 LAST NM 52/03<br>Relocate Buoy "Sitrah" from<br>26°10'19.8"N 50°42'52.8"E to<br>(2/04 MENAS)   | 10/04<br>26°10'12.0"N 50°42'54.0"E   |   |
| <b>62550</b>  | 3Ed. 2/22/03 LAST NM 9/04<br>Relocate Buoy "Sitrah" from 26°10'30"N 50°42'54"E to<br>(2/04 MENAS)   | 10/04<br>26°10'12"N 50°42'54"E   |   |
| <b>63200</b>  | 5Ed. 1/29/94 LAST NM 30/03<br>Add Submarine cable [L30.1] joining<br>(4/105)03 Dehra Dun)   | 10/04<br>10°08.5'N 76°10.8'E<br>10°08.0'N 76°09.4'E<br>10°03.9'N 75°51.4'E   |   |
| <b>63205</b>  | 2Ed. 4/20/96 LAST NM 30/03<br>Add Submarine cable [L30.1] joining<br>(4/105)03 Dehra Dun)   | 10/04<br>10°08'25"N 76°10'43"E<br>10°08'21"N 76°10'37"E<br>10°07'58"N 76°09'25"E<br>10°07'50"N 76°08'34"E<br>10°07'32"N 76°07'34"E<br>10°05'46"N 76°00'04"E<br>10°04'20"N 75°53'38"E<br>10°03'56"N 75°51'23"E    |   |
| <b>71248</b>  | 2Ed. 7/20/02 LAST NM N1/03<br>Add Buoy "CNB-1" Y, pillar, Fl Y 2s<br>Buoy "CNB-2" Y, pillar, Fl Y 2s<br>Buoy "CNB-3" Y, pillar, Fl Y 4s<br>Buoy "CNB-4" Y, pillar, Fl Y 4s<br>(10/71)03 Singapore)            | N10/04<br>1°18'14.4"N 104°00'59.4"E<br>1°18'06.6"N 104°01'12.0"E<br>1°18'08.4"N 104°02'24.6"E<br>1°18'43.2"N 104°02'24.0"E   |   |

|              |  |   |  |
|--------------|--|---|--|
| <b>71251</b> | 11Ed. 12/16/00 LAST NM 50/03<br><b>(Panel A)</b>   | 10/04   | Purple dashed line with legend "ASL (see Note)" joining<br>8°57.0'S 123°50.8'E<br>9°03.0'S 123°34.0'E<br>9°23.0'S 122°55.0'E<br>10°12.0'S 121°18.0'E<br>10°44.5'S 120°45.7'E |
| Change       | Daymark of beacon to white triangle, point downward<br>(See 15/03-71251)   | 1°24'30.0"N 103°59'30.0"E   |  |
| Delete       | <b>(Panel B)</b><br>Buoy   | 1°25'23.4"N 103°54'33.6"E   | Purple dashed line with legend "ASL (see Note)" between<br>9°23.0'S 122°55.0'E<br>10°58.0'S 122°11.0'E   |
| Change       | Daymark of beacon to white triangle, point downward<br>(10(70)03, 1(9)04 Singapore)  | 1°24'30.0"N 103°59'30.0"E   | Note from Subsection I-2 in left lower margin of chart<br>(NTM0009/2003)   |
| <b>71255</b> | 6Ed. 3/22/03 LAST NM 28/03<br>Relocate   | 10/04   |  |
|              | Buoy "PKDBH-9" from 1°13'10.5"N 103°40'16.5"E to 1°13'12.0"N 103°40'19.2"E<br>Buoy "PKDBH-1" from 1°13'30.0"N 103°40'07.4"E to 1°13'31.2"N 103°40'09.6"E<br>(10(72, 73)03 Singapore) |   |  |
| <b>71257</b> | 2Ed. 6/29/96 LAST NM 16/03<br>Add  | 10/04   | Purple dashed line with legend "ASL (see Note)" between<br>10°38.6'S 122°20.0'E<br>10°58.0'S 122°11.0'E  |
|              | Depth 21.1 meters Wk [K26]   | 1°11'58"N 103°40'16"E   |  |
|              | Depth 19.9 meters enclosed by depth contour (20-meter)   | 1°11'01"N 103°47'54"E   |  |
|              | Buoy "PKDBH-9" Y, pillar, Fl(4) Y 15s  | 1°13'12"N 103°40'19"E   |  |
|              | Buoy "PKDBH-1" Y, pillar, Fl Y 4s  | 1°13'31"N 103°40'10"E   |  |
|              | (10(72, 73), 11(77)03, 1(11)04 Singapore)  |   |  |
| <b>71258</b> | 2Ed. 8/10/96 LAST NM 22/03<br>Substitute   | 10/04   | Purple dashed line with legend "ASL (see Note)" between<br>7°32.0'S 127°08.3'E<br>8°03.0'S 127°21.2'E  |
|              | Depth 19.9 meters enclosed by depth contour (20-meter) for 20.8 meters   | 1°11'01"N 103°47'54"E   |  |
| Add          | Depth 21.1 meters Wk [K26]   | 1°11'58"N 103°40'16"E   |  |
|              | Buoy "PKDBH-9" Y, pillar, Fl(4) Y 15s  | 1°13'12"N 103°40'19"E   |  |
|              | Buoy "PKDBH-1" Y, pillar, Fl Y 4s  | 1°13'31"N 103°40'10"E   |  |
|              | (10(72, 73), 11(77)03, 1(11)04 Singapore)  |   |  |
| <b>71259</b> | 3Ed. 1/18/03 LAST NM 44/03<br>Change   | 10/04   | Purple dashed line with legend "ASL (see Note)" between<br>9°23.0'S 122°55.0'E<br>10°58.0'S 122°11.0'E   |
|              | Daymark of beacon to white triangle, point downward  | 1°24'30"N 103°59'30"E   |  |
| Add          | Buoy "CNB-1" Y, pillar, Fl Y 2s  | 1°18'14"N 104°00'59"E   |  |
|              | Buoy "CNB-2" Y, pillar, Fl Y 2s  | 1°18'07"N 104°01'12"E   |  |
|              | Buoy "CNB-3" Y, pillar, Fl Y 4s  | 1°18'08"N 104°02'25"E   |  |
|              | Buoy "CNB-4" Y, pillar, Fl Y 4s  | 1°18'43"N 104°02'24"E   |  |
|              | (10(71)03, 1(9)04 Singapore)   |   |  |
| <b>71265</b> | 3Ed. 6/8/02 LAST NM 20/03<br>Add   | 10/04   | Note from Subsection I-2 in right lower margin of chart<br>(NTM0009/2003)  |
|              | Depth 21.1 meters Wk [K26]   | 1°11'58"N 103°40'16"E   |  |
|              | (1(11)04 Singapore)  |   |  |
| <b>73000</b> | 9Ed. 2/3/96 LAST NM 21/03<br>Add   | 10/04   | Purple dashed line with legend "ASL (see Note)" between<br>5°48.1'S 126°25.0'E<br>8°03.0'S 127°21.2'E  |
|              | Purple dashed line with legend "ASL (see Note)" between  | 2°00.0'N 126°50.1'E<br>1°40.0'N 126°57.5'E  |  |
|              | Purple dashed line with legend "ASL (see Note)" joining  | 2°00.0'N 127°05.5'E<br>1°40.0'N 126°57.5'E<br>1°12.0'N 126°54.0'E<br>0°09.0'N 126°20.0'E<br>1°53.0'S 127°02.0'E<br>2°37.0'S 126°30.0'E<br>2°53.0'S 125°30.0'E<br>3°20.0'S 125°30.0'E<br>7°50.0'S 125°21.1'E |  |
|              | Purple dashed line with legend "ASL (see Note)" joining  | 3°20.0'S 125°30.0'E<br>4°00.0'S 125°40.0'E<br>5°48.0'S 126°25.0'E   |  |
|              | Purple dashed line with legend "ASL (see Note)" between  | 4°00.0'S 125°40.0'E<br>4°16.0'S 126°25.0'E  |  |
|              | Purple dashed line with legend "ASL (see Note)" between  | 4°00.0'S 125°40.0'E<br>5°18.3'S 129°20.0"E  |  |
| <b>73010</b> | 3Ed. 8/2/97 LAST NM 13/02<br>Add   | 10/04   | Note from Subsection I-2 in right lower margin of chart<br>(NTM0009/2003)  |
|              | Purple dashed line with legend "ASL (see Note)" joining  | 2°38.3'S 126°25.0'E<br>2°53.0'S 125°30.0'E<br>3°20.0'S 125°30.0'E<br>6°20.0'S 125°24.1'E  |  |
|              | Purple dashed line with legend "ASL (see Note)" joining  | 3°20.0'S 125°30.0'E<br>4°00.0'S 125°40.0'E<br>5°48.0'S 126°25.0'E   |  |
|              | Purple dashed line with legend "ASL (see Note)" between  | 4°00.0'S 125°40.0'E<br>4°16.0'S 126°25.0'E  |  |

## SECTION I

**NM 10/04**

|              |  |  |  |  |  |
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| <b>73014</b> | 10Ed. 4/5/80 LAST NM 52/02<br>Add Purple dashed line with legend "ASL (see Note)" joining  | 10/04<br>4°32.2'N 125°10.4'E<br>4°12.1'N 126°01.0'E<br>1°40.0'N 126°57.5'E<br>1°12.0'N 126°54.0'E<br>0°40.0'N 126°36.7'E               | <b>73640</b>   | 5Ed. 8/16/97 LAST NM 40/03<br><b>(Plan)</b><br>Add Chartlet, depicting changes in hydrography, from Subsection I-2 | 10/04<br>6°44'00.0"S 146°59'30.0"E<br>(Aus CH 523)   |
|              | Purple dashed line with legend "ASL (see Note)" between                                    | 3°27.0'N 127°40.5"E<br>1°40.0'N 126°57.5"E   | <b>74231</b>   | 7Ed. 5/30/98 LAST NM 50/03<br><b>(Plan C)</b><br>Delete Dashed line and legends (2) "Bowen Port Limits" between    | 10/04<br>19°58'27.5"S 148°15'35.0"E<br>20°01'09.3"S 148°21'53.8"E<br>(23(646)99 Wollongong)  |
|              | Note from Subsection I-2 in right lower margin of chart<br>(NTM0009/2003)                  |  | <b>74252</b>   | 9Ed. 7/25/98 LAST NM 9/03<br>Delete Purple dashed line and legend "Quarantine Line" between                        | 10/04<br>16°48'36.9"S 145°46'51.7"E<br>16°50'23.0"S 145°51'06.6"E<br>(23(648)99 Wollongong)  |
| <b>73016</b> | 4Ed. 8/23/97 LAST NM 44/02<br>Add Purple dashed line with legend "ASL (see Note)" between  | 10/04<br>2°50.0'N 126°31.5'E<br>1°40.0'N 126°57.5"E  | <b>74253</b>   | 6Ed. 5/10/97 LAST NM 30/03<br>Delete Purple dashed line and legend "Quarantine Line" between                       | 10/04<br>16°51'55"S 145°54'51.5"E<br>16°46'37"S 145°41'51"E  |
|              | Purple dashed line with legend "ASL (see Note)" joining                                    | 2°50.0'N 127°25.6"E<br>1°40.0'N 126°57.5"E<br>1°12.0'N 126°54.0"E<br>0°09.0'N 126°20.0"E<br>1°53.0'S 127°02.0"E<br>2°00.0'S 126°57.0"E | Change Legend "Cairns Harbor Limit" to "Cairns Pilotage Area"              |  | 16°48'20"S 145°49'21"E   |
|              | Note from Subsection I-2 in left lower margin of chart<br>(NTM0009/2003)                   |  | Add Pilot station symbol [T1.2] with legend "Yorkeys Knob"                 |  | 16°43'55"S 145°45'03"E<br>(23(648, 649)99 Wollongong)  |
| <b>73018</b> | 3Ed. 2/14/98 LAST NM 13/02<br>Add Purple dashed line with legend "ASL (see Note)" joining  | 10/04<br>1°15.0'S 126°48.9"E<br>1°53.0'S 127°02.0"E<br>2°37.0'S 126°30.0"E<br>2°47.6'S 125°50.0"E                                      | <b>74265</b>   | 2Ed. 7/12/97 LAST NM 30/03<br>Change Visibility (range) of light to 10/7M  | 10/04<br>14°29.4"S 144°58.7"E  |
|              | Purple dashed line with legend "ASL (see Note)" between                                    | 4°03.6'S 125°50.0"E<br>5°18.3'S 129°20.0"E   | Add Pilot station symbol [T1.2] with legend "Yorkeys Knob"                 |  | 16°43.9"S 145°45.1"E<br>(23(649, 650)99 Wollongong)  |
|              | Note from Subsection I-2<br>(NTM0009/2003)   | 5°10.0'S 128°12.0"E  | <b>74270</b>   | 3Ed. 8/5/95 LAST NM 38/03<br>Change Visibility (range) of light to 10/7M   | 10/04<br>14°29.7"S 144°58.4"E<br>(23(650)99 Wollongong)  |
| <b>73020</b> | 9Ed. 11/4/95 LAST NM 22/03<br>Add Purple dashed line with legend "ASL (see Note)" joining  | 10/04<br>5°00.6'S 128°30.0"E<br>6°10.0'S 131°45.0"E<br>6°44.0'S 132°35.0"E   | <b>74271</b>   | 9Ed. 9/6/97 LAST NM 38/03<br>Change Visibility (range) of light to 10/7M   | 10/04<br>14°29'25"S 144°58'40"E<br>(23(650)99 Wollongong)  |
|              | Note from Subsection I-2 in right lower margin of chart<br>(NTM0009/2003)                  |  | <b>74273</b>   | 5Ed. 8/23/97 LAST NM 27/03<br>Change Visibility (range) of light to 10/7M  | 10/04<br>14°29'25"S 144°58'40"E  |
| <b>73022</b> | 4Ed. 11/20/99 LAST NM 13/02<br>Add Purple dashed line with legend "ASL (see Note)" between | 10/04<br>5°11.2'S 129°00.0"E<br>6°05.0'S 131°31.0"E  | Change <b>(Plan)</b> Visibility (range) of light to 10/7M                  |  | 14°29'25"S 144°58'40"E<br>(23(650)99 Wollongong)   |
|              | Note from Subsection I-2 in right lower margin of chart<br>(NTM0009/2003)                  |  | <b>74289</b>   | 5Ed. 10/11/97 LAST NM 9/03<br>Delete Purple dashed line and legend "Quarantine Line" between                       | 10/04<br>12°33.9"S 141°40.1"E<br>12°53.9"S 141°40.1"E  |
|              |  |  | Change Legend "Weipa Port Limit" to "Weipa Pilotage Area"                  |  | 12°44.0"S 141°36.9"E<br>(23(652)99 Wollongong)   |
| <b>73141</b> | 5Ed. 6/26/99 LAST NM 13/02<br>Add Purple dashed line with legend "ASL (see Note)" between  | 10/04<br>6°13'24"S 131°50'00"E<br>6°18'45"S 131°57'52"E  | <b>75052</b>   | 2Ed. 8/8/98 LAST NM 16/02<br>Delete Dashed line joining  | 10/04<br>35°03'51.0"S 117°56'23.4"E<br>35°03'55.8"S 117°56'23.4"E<br>35°03'55.8"S 117°56'53.4"E  |
|              | Note from Subsection I-2<br>(NTM0009/2003)   | 6°15'00"S 132°10'00"E  |  | Dashed-line area and legend "Marine Farm (See Note)" in vicinity   | 35°03'24.0"S 117°56'42.0"E   |
| <b>73191</b> | 3Ed. 7/19/97 LAST NM 7/03<br>Add Purple dashed line with legend "ASL (see Note)" joining   | 10/04<br>8°57'00"S 123°50'49"E<br>9°03'00"S 123°34'00"E<br>9°13'18"S 123°13'50"E   |  | Dashed-line area and legend "Marine Farm (See Note)" in vicinity   | 35°03'36.0"S 117°56'42.0"E   |
|              | Note from Subsection I-2<br>(NTM0009/2003)   | 9°20'00"S 124°32'30"E  | Add Marine farm area bound by existing marine farm and dashed line joining |  | 35°03'51.0"S 117°56'23.4"E<br>35°03'51.0"S 117°56'22.8"E<br>35°04'00.6"S 117°56'22.8"E<br>35°04'00.6"S 117°56'52.8"E<br>35°03'55.8"S 117°56'53.4"E |

(continued on next page)

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|               |  |  |   |  |
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| <b>75052</b>  | (Continued)  |  |   |  |
|               | "Marine Farm (See Note)" area bound by dashed line joining   | 35°03'37.8"S 117°56'25.8"E<br>35°03'37.8"S 117°56'55.8"E<br>35°03'19.8"S 117°56'55.8"E<br>35°03'19.8"S 117°56'40.8"E<br>35°03'13.8"S 117°56'40.8"E<br>35°03'13.8"S 117°56'10.8"E<br>35°03'19.8"S 117°56'10.8"E<br>35°03'19.8"S 117°56'25.8"E | Substitute Double solid line with land tint for double dashed line in vicinity          | 33°56'26.0"N 130°46'51.0"E   |
|               | "Marine Farm (See Note)" area bound by dashed line joining   | 34°59'00.0"S 117°57'54.6"E<br>34°59'12.0"S 117°57'57.6"E<br>34°59'04.8"S 117°57'39.0"E<br>34°59'00.0"S 117°57'38.4"E   | Solid line for dashed line in vicinity  | 33°56'02.2"N 130°46'07.7"E   |
| Add           | <b>(Extension)</b>   |  | Add Double solid line with land tint (groin) [F6.1] joining                             | 33°56'54.8"N 130°45'58.4"E<br>33°56'52.8"N 130°45'57.0"E<br>33°56'52.0"N 130°45'50.0"E<br>33°56'47.9"N 130°45'50.1"E |
|               | "Marine Farm (See Note)" area bound by dashed line joining   |  | Double solid line with land tint (groin) [F6.1] between                                 | 33°56'55.4"N 130°46'05.3"E<br>33°56'54.0"N 130°46'07.3"E   |
|               |  |  | (50(1849)03 Tokyo)  |  |
| <b>75143</b>  | 4Ed. 8/2/97 LAST NM 50/02  | 10/04  | <b>97062</b> 12Ed. 12/6/97 LAST NM 35/03  | 10/04  |
| Delete        | Purple dashed line and legend "Quarantine Line" between  | 33°52'51"S 137°36'06"E<br>33°54'33"S 137°36'06"E   | Delete Submarine cable between  | 38°20'12.2"N 141°02'54.3"E<br>38°20'13.0"N 141°05'17.9"E   |
|               |  | (40(1503)03 Tokyo)   |   |  |
| <b>75144</b>  | 3Ed. 4/22/95 LAST NM 38/03   | 10/04  | <b>97082</b> 5Ed. 12/20/97 LAST NM 34/03  | 10/04  |
|               | <b>(Plan B)</b>  |  | Delete Submarine cable between  | 38°20'12.2"N 141°02'54.3"E<br>38°20'28.1"N 141°04'52.7"E   |
| Delete        | Purple dashed line and legend "Quarantine Line" between  | 33°52'51"S 137°36'03"E<br>33°56'07"S 137°36'06"E   | Submarine cable between   | 38°20'28.1"N 141°05'05.2"E<br>38°20'13.0"N 141°05'17.9"E   |
|               |  | (40(1503)03 Tokyo)   |   |  |
| <b>75171</b>  | 22Ed. 4/3/99 LAST NM 44/03   | 10/04  | <b>97155</b> 14Ed. 12/27/97 LAST NM 28/03   | 10/04  |
|               | <b>(Plan)</b>  |  | Relocate Buoy "15" from 35°36'54.0"N to 35°36'56.6"N 139°45'53.0"E<br>(See 12/03-97155) | 139°45'53.0"E<br>35°36'56.6"N 139°45'47.7"E  |
| Add           | Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 | 38°16'00.0"S 144°40'24.0"E   | (50(1843)03 Tokyo)  |  |
|               |  | (16(532)03 Wollongong)   |   |  |
| <b>*81004</b> | 3Ed. 7/03 LAST NM 9/04   | 10/04  | <b>97387</b> 2Ed. 4/1/95 LAST NM 46/03  | 10/04  |
| Substitute    | Depth 5 fathoms for 13 fathoms   | 15°13.2'N 145°41.5"E   | Relocate Buoy from 32°23'53"N 130°19'57"E to 32°23'52"N 130°19'54"E                     |  |
| (2/04 CG14)   |  |  | (50(1850)03 Tokyo)  |  |
| <b>92006</b>  | 5Ed. 3/13/99 LAST NM 5/03  | 10/04  | <b>97423</b> 2Ed. 5/25/96 LAST NM 36/03   | 10/04  |
| Add           | Purple dashed line with legend "ASL (see Note)" joining  | 4°32.2'N 125°10.4"E<br>4°12.1'N 126°01.0"E<br>2°00.0'N 126°50.1'E  | Delete Dashed line between  | 33°39'25.2"N 130°24'08.0"E<br>33°39'08.5"N 130°24'16.0"E   |
|               | Purple dashed line with legend "ASL (see Note)" between  | 3°01.0'N 127°30.0'E<br>2°00.0'N 127°05.5'E   | Crane symbol  | 33°39'09.5"N 130°24'19.5"E<br>33°39'11.6"N 130°24'25.3"E<br>33°39'15.8"N 130°24'35.0"E                               |
|               | Note from Subsection I-2 (NTM0009/2003)  | 2°30.0'N 117°00.0'E  | Legend "Dredged to 13m (1996, 97)"  | 33°39'21.0"N 130°24'24.0"E   |
|               |  |  | (See 19/01, 36/03-97423)  |  |
| <b>95320</b>  | 15Ed. 6/28/97 LAST NM 40/03  | 10/04  | Substitute Depth 7.4 meters for 8 meters  | 33°39'35.8"N 130°25'38.0"E   |
| Add           | Beacon BRB, double ball topmark, Fl(2) 3M  | 34°26'07"N 131°21'07"E   | Solid line [F13] for dashed line between  | 33°39'28.0"N 130°23'47.9"E<br>33°39'55.0"N 130°23'41.0"E   |
|               |  | (46(1707)03 Tokyo)   | Change Legend "(1996,97)" to "(1996-2003)"  | 33°39'27.0"N 130°25'37.0"E   |
| <b>95341</b>  | 8Ed. 2/22/97 LAST NM 44/03   | 10/04  | Legend "Dredged to 14m (1998-2002)" to "Dredged to 14m (1998-2003)"                     | 33°39'11.0"N 130°24'00.0"E   |
| Add           | Solid line (breakwater) [F4.1] between   | 33°56'03"N 130°44'23"E<br>33°55'55"N 130°44'21"E   | Legend "Dredged to 14m (1998-2002)" to "Dredged to 14m (1998-2003)"                     | 33°38'42.0"N 130°22'49.0"E   |
|               |  | (50(1849)03 Tokyo)   | Legend "Dredged to 14m (1998-2002)" to "Dredged to 14m (1998-2003)"                     | 33°38'03.0"N 130°21'05.0"E   |
| <b>95342</b>  | 16Ed. 2/3/96 LAST NM 20/03   | 10/04  | Add Land tint to area bound by shore, chart border and solid line [F13] between         | 33°39'39.3"N 130°24'12.5"E<br>33°39'28.0"N 130°23'47.9"E   |
| Delete        | Position circle and legend "(Y Lt)"  | 33°56'27.0"N 130°46'39.0"E   | Crane symbol [F53.2]  | 33°39'13.3"N 130°24'29.0"E   |
|               | Position circle and legend "Y Lt"  | 33°56'26.0"N 130°46'49.0"E   | Crane symbol [F53.2]  | 33°39'31.9"N 130°24'22.6"E   |
|               | Position circle and legend "Y Lt"  | 33°56'26.0"N 130°46'53.0"E   | Depth 13.8 meters   | 33°39'22.5"N 130°24'10.0"E   |
|               | Buoy and legend "(Y Lt)" (See 9/03-95342)  | 33°56'09.0"N 130°46'43.0"E   | Depth 10.8 meters   | 33°39'19.0"N 130°24'39.7"E   |
|               |  |  | Dashed line joining   | 33°39'18.8"N 130°24'38.2"E<br>33°39'09.4"N 130°24'15.3"E<br>33°39'08.5"N 130°24'15.9"E                               |

(continued on next page)

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**97423** (Continued)  
Legend "13m (2003)" 33°39'14.0"N 130°24'29.0"E

Berth designation "5" [F19] 33°39'36.0"N 130°24'31.7"E  
Berth designation "6" [F19] 33°39'33.0"N 130°24'24.1"E

Double solid line with land tint (bridge) [D22]  
and legend "(5.8)" between 33°39'31.8"N 130°25'03.7"E  
33°39'28.6"N 130°25'05.3"E

Double solid line with land tint (bridge) [D22]  
between 33°39'42.0"N 130°25'28.7"E  
33°39'39.0"N 130°25'30.7"E

(50(1837)03 Tokyo)

**97471** 5Ed. 12/16/95 LAST NM N6/04 N10/04

Add Double solid line (breakwater) [F4.1] joining  
26°19'38.8"N 127°52'20.0"E  
26°19'37.5"N 127°52'21.4"E  
26°19'36.0"N 127°52'25.8"E

Solid line (pier extension) [F14] between  
26°19'45.0"N 127°52'17.0"E  
26°19'41.0"N 127°52'21.2"E

(50(1838)03 Tokyo)

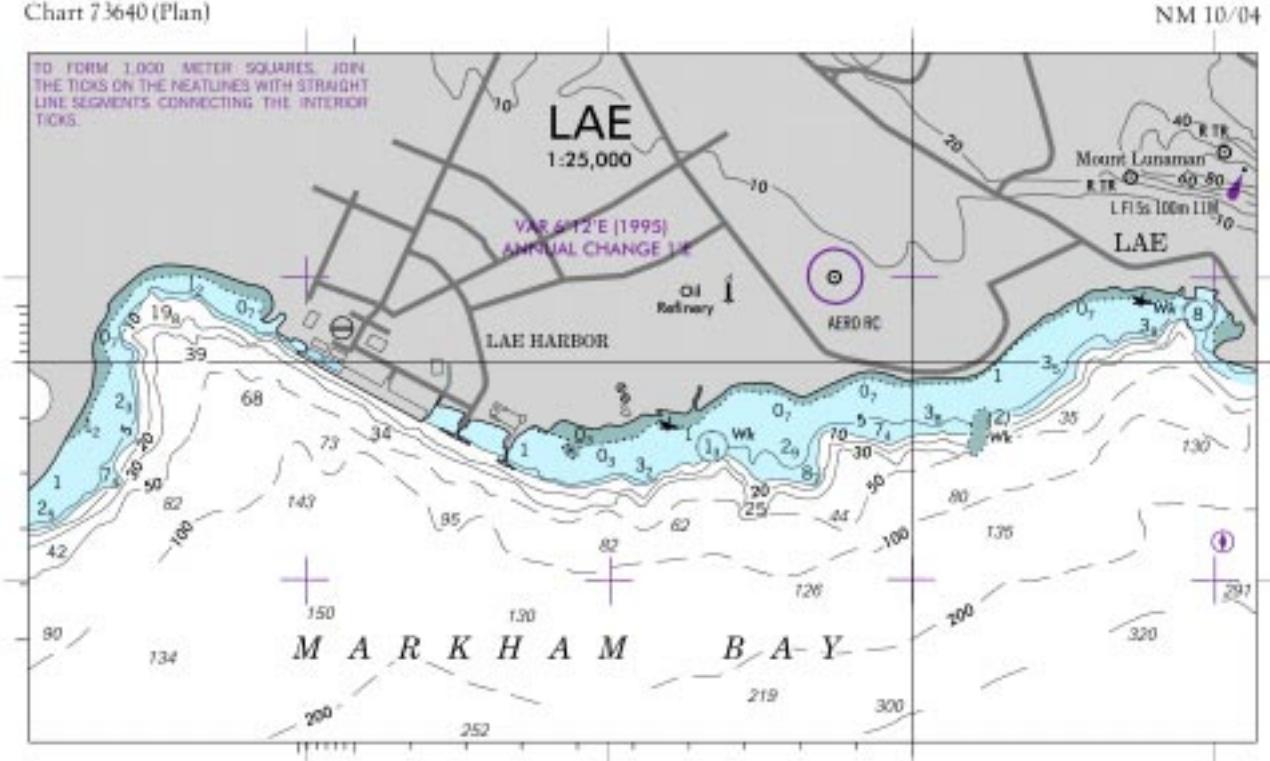
**800744** 1Ed. 9/24/88 LAST NM N50/03 N10/04

Add Position circle "Pipe" [L23] 21°17'40"N 157°57'04"W  
(2/04 CG14)

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Chart 73640 (Plan)

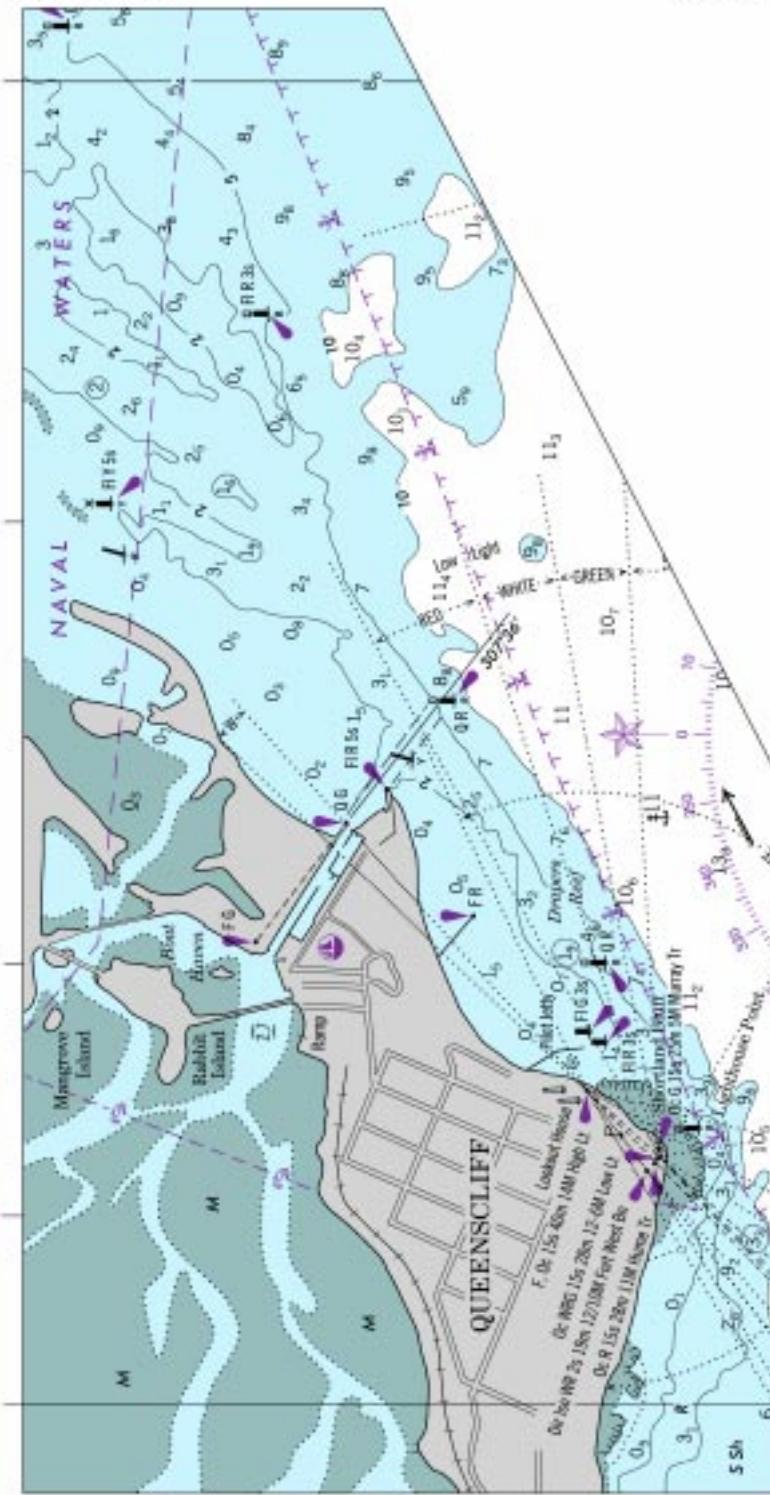


# SECTION I

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Chart 75171 (Plan)

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## SECTION I

Chart 12222

NM 10/04

| NORFOLK HARBOR AND APPROACHES<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003  |  |                     |                      |                       |                    |              |                      |
|--|--|---------------------|----------------------|-----------------------|--------------------|--------------|----------------------|
| NAME OF CHANNEL  | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) |                     |                      |                       | PROJECT DIMENSIONS |              |                      |
|  | LEFT OUTSIDE QUARTER   | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY     | WIDTH (FEET) | LENGTH (NAUT. MILES) |
| THIMBLE SHOAL CHANNEL (A)  |  |                     |                      |                       |                    |              |                      |
| NORTH ELEMENT (B)  | 47.6   | 46.5                | 45.6                 | 44.1                  | 6,7,9-00           | 350          | 13.0 55              |
| SOUTH ELEMENT (C)  | 49.7   | 50.0                | 49.7                 | 50.3                  | 6,7,9-00           | 650          | 13.0 55              |
| NORTH AUXILIARY CHANNEL (D)  |  |                     |                      |                       |                    | 450          | 32                   |
| SOUTH AUXILIARY CHANNEL (D)  |  |                     |                      |                       |                    | 450          | 32                   |
| NORFOLK HARBOR   |  |                     |                      |                       |                    |              |                      |
| ENTRANCE REACH   | 50.3   | 51.5                | 52.9                 | 52.0                  | 4-99               | 1000         | 1.4 50               |
| NORFOLK HARBOR REACH   | 50.8   | 50.9                | 46.1                 | 45.4                  | 2-03               | 1250-800     | 3.8 55               |
| CRANEY ISLAND REACH  | 48.1   | 51.2                | 50.8                 | 46.2                  | 2-03               | 800          | 2.1 55               |
| LAMBERTS BEND  | 36.9   | 45.8                | 40.0                 | 37.5                  | 3-02               | 750          | 0.3 45               |
| PORT NORFOLK REACH   | 38.0   | 40.0                | 40.3                 | 38.6                  | 3-02               | 750          | 2.0 45               |
| NEWPORT NEWS CHANNEL   | 48.7   | 50.7                | 50.7                 | 50.4                  | 2-03               | 800          | 4.2 55               |
| CAPE HENRY CHANNEL   | 47.4   | 52.3                | 52.5                 | 49.3                  | 1,12-02            | 1000         | 4.0 50               |
| YORK SPIT CHANNEL  | 45.1   | 49.4                | 49.5                 | 47.2                  | 11-99;2-00;9,11-02 | 1000(E)      | 18.4 50              |
| A. THIS CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET.<br>B. PORTION OF PROJECT MAINTAINED TO 45 FEET<br>C. PORTION OF PROJECT MAINTAINED TO 50 FEET<br>D. PROJECT MAINTENANCE DISCONTINUED<br>E. CHANNEL WIDTH MAINTAINED TO 800 FEET |  |                     |                      |                       |                    |              |                      |
| NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION  |  |                     |                      |                       |                    |              |                      |

Chart 12245

NM 10/04

| NORFOLK HARBOR AND NEWPORT NEWS CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003 |  |                     |                      |                       |                    |              |                      |
|--|--|---------------------|----------------------|-----------------------|--------------------|--------------|----------------------|
| NAME OF CHANNEL  | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) |                     |                      |                       | PROJECT DIMENSIONS |              |                      |
|  | LEFT OUTSIDE QUARTER   | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY     | WIDTH (FEET) | LENGTH (NAUT. MILES) |
| NORFOLK HARBOR ENTRANCE REACH  | 50.3   | 51.5                | 52.9                 | 52.0                  | 4-99               | 1000         | 1.4 50               |
| NORFOLK HARBOR REACH   | 50.8   | 50.9                | 46.1                 | 45.4                  | 2-03               | 1250-800     | 3.8 55               |
| CRANEY ISLAND REACH  | 48.1   | 51.2                | 50.8                 | 46.2                  | 2-03               | 800          | 2.1 55               |
| NEWPORT NEWS CHANNEL   | 48.7   | 50.7                | 50.7                 | 50.4                  | 2-03               | 800          | 4.2 55               |
| NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION                                    |  |                     |                      |                       |                    |              |                      |

Chart 12253

NM 10/04

| ELIZABETH RIVER CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003 |  |                     |                      |                       |                    |              |                      |
|--|--|---------------------|----------------------|-----------------------|--------------------|--------------|----------------------|
| NAME OF CHANNEL  | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) |                     |                      |                       | PROJECT DIMENSIONS |              |                      |
|  | LEFT OUTSIDE QUARTER   | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY     | WIDTH (FEET) | LENGTH (NAUT. MILES) |
| CRANEY ISLAND REACH  | 48.1   | 51.2                | 50.8                 | 46.2                  | 2-03               | 800          | 2.1 55               |
| LAMBERTS BEND  | 38.9   | 45.8                | 40.0                 | 37.5                  | 3-02               | 750          | 0.3 45               |
| PORT NORFOLK REACH   | 38.0   | 40.0                | 40.3                 | 38.6                  | 3-02               | 750          | 2.0 45               |
| TOWN POINT REACH   | 39.3   | 39.1                | 40.2                 | 38.8                  | 3-02               | 750          | 0.6 45               |
| SOUTHERN BRANCH:   |  |                     |                      |                       |                    |              |                      |
| LOWER REACH  | 36.8   | 40.3                | 40.5                 | 38.4                  | 3-02               | 450-800      | 1.7 45               |
| MIDDLE REACH   | 38.9   | 40.8                | 40.5                 | 38.0                  | 3-02               | 375          | 0.9 45               |
| UPPER REACH  | 33.1   | 34.8                | 35.4                 | 31.1                  | 3-02               | 250-500      | 2.7 35               |
| TURNING BASIN  | 34.7   | 35.7                | 35.0                 | 33.4                  | 3-02               | 600          | 0.1 35               |
| THENCE TO A POINT 100 YARDS  |  |                     |                      |                       |                    |              |                      |
| SOUTH OF LIGHT "30"  | 27.1   | 29.8                | 30.5                 | 28.8                  | 3-02               | 250          | 1.1 35               |
| TURNING BASIN AT MAINS CREEK   | 28.4   | 30.4                | 29.0                 | 28.3                  | 3-02               | 800          | 0.2 35               |
| THENCE TO A POINT 100 YARDS  |  |                     |                      |                       |                    |              |                      |
| NORTH OF N & P B L RR BRIDGE   | 25.5   | 29.8                | 29.2                 | 26.7                  | 3-02               | 250          | 0.2 35               |
| NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION                    |  |                     |                      |                       |                    |              |                      |

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Chart 12311

NM 10/04

| CHRISTINA RIVER CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2003 |                      |                        |                       |                |                    |                |              |
|--|----------------------|------------------------|-----------------------|----------------|--------------------|----------------|--------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM   |                      |                        |                       |                | PROJECT DIMENSIONS |                |              |
| NAME OF CHANNEL  | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (NAUT FEET)  | LENGTH (MILES) | DEPTH (FEET) |
| ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN   | 34.5                 | 32.3                   | 34.4                  | 10-03          | 500-340            | 0.70           | 38           |
| THENCE TO THE LOBDELL CANAL TURNING BASIN (OPPOSITE TERMINAL WHARF)                                      | 34.6                 | 25.1                   | 30.4                  | 10-03          | 400                | 0.33           | 35           |
|  | 34.3                 | 34.4                   | 34.8                  | 10-03          | 320                | 0.34           | 38           |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12312

NM 10/04

| CHRISTINA RIVER CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2003 |                      |                        |                       |                |                    |                |              |
|--|----------------------|------------------------|-----------------------|----------------|--------------------|----------------|--------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM   |                      |                        |                       |                | PROJECT DIMENSIONS |                |              |
| NAME OF CHANNEL  | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (NAUT FEET)  | LENGTH (MILES) | DEPTH (FEET) |
| ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN   | 34.5                 | 32.3                   | 34.4                  | 10-03          | 500-340            | 0.70           | 38           |
| THENCE TO THE LOBDELL CANAL TURNING BASIN (OPPOSITE TERMINAL WHARF)                                      | 34.6                 | 25.1                   | 30.4                  | 10-03          | 400                | 0.33           | 35           |
|  | 34.3                 | 34.4                   | 34.8                  | 10-03          | 320                | 0.34           | 38           |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14842 (Page 26)

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| SANDUSKY HARBOR CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003 |                      |                     |                      |                       |                    |                   |                |                  |
|--|----------------------|---------------------|----------------------|-----------------------|--------------------|-------------------|----------------|------------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)                             |                      |                     |                      |                       | PROJECT DIMENSIONS |                   |                |                  |
| NAME OF CHANNEL  | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY     | WIDTH (NAUT FEET) | LENGTH (MILES) | DEPTH LWD (FEET) |
| MOSELEY CHANNEL  | 22.8                 | 24.4                | 25.2                 | A7.5                  | 6-03               | 400               | 2.15           | 26               |
| UPPER STRAIGHT CHANNEL   | 20.5                 | 22.7                | 24.3                 | 21.2                  | 6-03               | 400               | 1.04           | 25               |
| UPPER BAY CHANNEL  | 23.3                 | 23.4                | 23.1                 | 16.9                  | 6-03; 9-03         | 300               | 1.64           | 25               |
| LOWER BAY CHANNEL  | 20.5                 | 21.4                | 23.1                 | 26.4                  | 6-03               | 350               | .24            | 24               |
| TURNING BASIN  | 13.6                 | 19.6                | 21.8                 | 20.6                  | 6-03               | 300-1725          | .50            | 24               |
| DOCK CHANNEL   | 17.3                 | 16.5                | 18.5                 | 16.4                  | 6-03               | 300               | 1.10           | 22               |
| LOWER STRAIGHT CHANNEL   | 16.5                 | 16.5                | 17.6                 | 16.8                  | 6-03               | 400               | .77            | 21               |

A. EXCEPT FOR SHOALING TO 3.8 FEET IN THE VICINITY OF BUOY 10.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

## SECTION I

Chart 14844

NM 10/04

| SANDUSKY HARBOR CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003 |                      |                     |                      |                       |                |                    |                      |                  |
|--|----------------------|---------------------|----------------------|-----------------------|----------------|--------------------|----------------------|------------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)                             |                      |                     |                      |                       |                | PROJECT DIMENSIONS |                      |                  |
| NAME OF CHANNEL  | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET)       | LENGTH (NAUT. MILES) | DEPTH (FEET) LWD |
| MOSELEY CHANNEL  | 22.8                 | 24.4                | 25.2                 | A7.5                  | 6-03           | 400                | 2.15                 | 26               |
| UPPER STRAIGHT CHANNEL   | 20.5                 | 22.7                | 24.3                 | 21.2                  | 6-03           | 400                | 1.04                 | 25               |
| UPPER BAY CHANNEL  | 23.3                 | 23.4                | 23.1                 | 16.9                  | 6-03; 9-03     | 300                | 1.64                 | 25               |
| LOWER BAY CHANNEL  | 20.5                 | 21.4                | 23.1                 | 26.4                  | 6-03           | 350                | .24                  | 24               |
| TURNING BASIN  | 13.6                 | 19.6                | 21.8                 | 20.6                  | 6-03           | 300-1725           | .50                  | 24               |
| DOCK CHANNEL   | 17.3                 | 16.5                | 18.5                 | 16.4                  | 6-03           | 300                | 1.10                 | 22               |
| LOWER STRAIGHT CHANNEL   | 16.5                 | 16.5                | 17.6                 | 16.8                  | 6-03           | 400                | .77                  | 21               |

A. EXCEPT FOR SHOALING TO 3.8 FEET IN THE VICINITY OF BUOY 10.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14845

NM 10/04

| SANDUSKY HARBOR CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003 |                      |                     |                      |                       |                |                    |                      |                  |
|--|----------------------|---------------------|----------------------|-----------------------|----------------|--------------------|----------------------|------------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)                             |                      |                     |                      |                       |                | PROJECT DIMENSIONS |                      |                  |
| NAME OF CHANNEL  | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET)       | LENGTH (NAUT. MILES) | DEPTH (FEET) LWD |
| MOSELEY CHANNEL  | 22.8                 | 24.4                | 25.2                 | A7.5                  | 6-03           | 400                | 2.15                 | 26               |
| UPPER STRAIGHT CHANNEL   | 20.5                 | 22.7                | 24.3                 | 21.2                  | 6-03           | 400                | 1.04                 | 25               |
| UPPER BAY CHANNEL  | 23.3                 | 23.4                | 23.1                 | 16.9                  | 6-03; 9-03     | 300                | 1.64                 | 25               |
| LOWER BAY CHANNEL  | 20.5                 | 21.4                | 23.1                 | 26.4                  | 6-03           | 350                | .24                  | 24               |
| TURNING BASIN  | 13.6                 | 19.6                | 21.8                 | 20.6                  | 6-03           | 300-1725           | .50                  | 24               |
| DOCK CHANNEL   | 17.3                 | 16.5                | 18.5                 | 16.4                  | 6-03           | 300                | 1.10                 | 22               |
| LOWER STRAIGHT CHANNEL   | 16.5                 | 16.5                | 17.6                 | 16.8                  | 6-03           | 400                | .77                  | 21               |

A. EXCEPT FOR SHOALING TO 3.8 FEET IN THE VICINITY OF BUOY 10.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 73000

NM 10/04

## ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 73002

NM 10/04

## ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

## SECTION I

Chart 73004

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 73006

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 73010

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 73014

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

## SECTION I

Chart 73016

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 73018

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 73020

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 73022

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

## Chart 73141

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

## Chart 73191

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

## Chart 92006

NM 10/04

**ASL-ARCHIPELAGIC SEA LANES**

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.







## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 10/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

| Chart No. | Ed. No.    | Notice to Mariners No.  | Chart No. | Ed. No. | Notice to Mariners No.                                | Chart No. | Ed. No. | Notice to Mariners No.                               | Chart No. | Ed. No. | Notice to Mariners No.                             |
|-----------|------------|---|-----------|---------|---|-----------|---------|--|-----------|---------|--|
| 18010     | 20         | 33,34,37,38,39,40/02;6,<br>13,26,33,40,47/03;4,5,<br>7/04                 | 18548     | 5       | 8/03*   | 19004     | 36      | 35,37,51/02;23,29,30,<br>46/03;6,8/04                | 21563     | 3       | 45/02  |
| 18020     | 37         | 47/03*/1;4,7/04   | 18558     | 37      | 39/02;48/03;1/04                                      | 18561     | 11      | 33,39/02;10,51/03                                    | 19007     | 16      | 51/02;16,23,29,30,46/03                            |
| 18022     | 34         | 3*;4,7/04   | 18580     | 21      | 33,38,39/02;51/03                                     | 18581     | 17      | 49/02*;4,36,50,51/03                                 | 19008     | 4       | 16,23,29,46/03;10/04                               |
| 18040     | 44         | 41*,43,47,49/03;3,8,<br>10/04   | 18583     | 38      | 33,42,49/02;12,43/03                                  | 18584     | 47      | 39,49/02;4,6,30,48,<br>52/03;1/04                    | 19010     | 17      | 45*,51/02;23,29/03;6,<br>8/04                      |
| 18401     | 12         | 34/03   | 18587     | 68      | 33,39,42/02;4,6,9,10,21,<br>27,36,52/03;1,8/04        | 18588     | 37      | 29*,36/03  | 19013     | 16      | 51/02;29,30,46/03;8/04                             |
| 18403     | 21         | 6,20/03   | 18589     | 15      | 44/03   | 18600     | 14      | 33,37,38,40/02;44,47/03;<br>5/04                     | 19016     | 10      | 3/04*  |
| 18409     | 8          | 41/03   | 18601     | 13      | 10/03;1/04  | 18602     | 12      | 26*,47/03;1/04                                       | 19019     | 9       | 28/03*   |
| 18411     | N16,N20/03 |   | 18603     | 16      | 9*,10/03;5/04   | 18620     | 23      | 35/02*;4,7/04  | 19320     | 16      | 35,37,51/02;5,16,23/03;<br>6,8/04                  |
| 18412     | 10         | 20/03   | 18622     | 52      | 49/02;21,25,27,35/03                                  | 18623     | 11      | 34/02;4,7/04   | 19324     | 22      | 35/02;5,23/03                                      |
| 18413     | 15         | 20,22/03  | 18626     | 15      | 37/02;10/03   | 18630     | 13      | 23,43/03   | 19327     | 10      | 23,43/03   |
| 18414     | 9          | 20/03;3/04  | 18631     | 13      | 10/03;1/04  | 18639     | 1       | N35,N49,N51/02;N5,<br>N13,N30,N47/03;N8,<br>N10/04   | 19329     | 8       | 10/04*   |
| 18415     | 8          | 42/02;7,22,32,39,47,<br>50/03;3,9,10/04                                   | 18640     | 24      | 26,38,42/03;4/04                                      | 18643     | 17      | 26*,33,41,43/03                                      | 19331     | 7       | 13,25,38/03  |
| 18416     | 6          | P44,48/02;22,46/03  | 18645     | 24      | 50/02;33,38/03;5/04                                   | 18647     | 15      | 2/03*  | 19339     | 1       | N35,N49,N51/02;N5,<br>N13,N30,N47/03;N8,<br>N10/04 |
| 18418     | 6          | 15/03   | 18649     | 63      | 48*,50/03;2,5/04                                      | 18650     | 52      | 47/03*   | 19340     | 26      | 35,49,51/02;5,13,29,30,<br>36,47/03;8,10/04        |
| 18419     | 11         | 47/02;12,46/03;1,9/04   | 18651     | 42      | 15*,48/03   | 18652     | 32      | 36*,40,43,46,48,49/03;<br>5/04                       | 19347     | 17      | 29/03  |
| 18420     | 1          | 22,47,49,50/03  | 18653     | 9       | 36,38,41/02;4,6,21,43,<br>50/03                       | 18654     | 42      | 38,49/02;12,16,35,46,<br>48/03;5/04                  | 19348     | 7       | 29,43/03   |
| 18421     | 46         | 50/03*;8,9/04   | 18655     | 58      | 49/02;12,16/03  | 18657     | 18      | 4,21,40/03   | 19353     | 12      | 27/03;6/04   |
| 18423     | 33         | 1*;5,7,9,15,18,30,32,34,<br>36,38,39,43,45,47,49/03;<br>8,9/04            | 18658     | 29      | 49/02;33,40/03  | 18660     | 2       | 29*,43,49/03   | 19355     | 22      | 42*,49,51/02;5,13,30,36,<br>47,50/03;10/04         |
| 18424     | 25         | 7,45/03   | 18661     | 27      | 15*,16,43,49/03                                       | 18662     | 20      | 7,34,44/03   | 19359     | 11      | 8/04*  |
| 18427     | 21         | 35/02*;7,19,45/03   | 18663     | 5       | 14*,43/03   | 18665     | 53      | 19*,21,33,40,43,48/03                                | 19360     | 1       | N37,N51/02   |
| 18429     | 9          | 3*,22/03  | 18666     | 1       | 21,33,48/03   | 18667     | 18      | 8/03*  | 19361     | 8       | 5/04*  |
| 18430     | 8          | 5/04*   | 18668     | 30      | 6,13,33,35,38,40/03                                   | 18669     | 14      | 49/02;7,16,21,43,48/03                               | 19362     | 12      | 49/02;10/04  |
| 18431     | 6          | 2/03*;1/04  | 18670     | 25      | 40/03*;7/04   | 18672     | 14      | 10/04*   | 19366     | 36      | 49/02;5,50/03;10/04                                |
| 18432     | 5          | 14/03*  | 18674     | 42      | 38,49/02;12,16,35,46,<br>48/03;5/04                   | 18675     | 58      | 49/02;12,16/03                                       | 19367     | 37      | 49/02;10,50/03                                     |
| 18433     | 5          | 2*,22,32,36/03;9/04   | 18676     | 53      | 19*,21,33,40,43,48/03                                 | 18677     | 18      | 4,21,40/03   | 19369     | 5       | 49/02;10,36,50/03;10/04                            |
| 18434     | 5          | 2/04*   | 18678     | 18      | 8/03*   | 18679     | 1       | N51/02;N5,N13,N30,<br>N46/03                         | 19379     | 1       | N51/02;N5,N13,N30,<br>N46/03                       |
| 18440     | 27         | 3*,8/04   | 18680     | 29      | 4,21,33,40/03   | 18681     | 15      | 8/04*  | 19380     | 15      | 8/04*  |
| 18441     | 43         | 39*,45,47,51/03;6,8/04  | 18682     | 14      | 10/04*  | 18683     | 22      | 40/02;26/03;7/04                                     | 19381     | 8       | 49,51/02;26/03;7/04                                |
| 18443     | 15         | 39/02;6,34/03   | 18684     | 12      | 37/02   | 18685     | 17      | 29/03  | 19382     | 15      | 26/03  |
| 18444     | 15         | 39/02;34/03;1/04  | 18686     | 21      | 49/02;7,16,21,43,48/03                                | 18687     | 13      | 8/03*  | 19383     | 17      | 49/02;5/03   |
| 18445     | 29         | 33,39/02;6,7,9,10,15,18,<br>22,25,28,34,36,38,42,45,<br>47,51/03;1,6,8/04 | 18688     | 14      | 10/04*  | 18689     | 32      | 36*,46/03  | 19385     | 8       | 3/04*  |
| 18446     | 16         | 47*,51/03;8/04  | 18690     | 22      | 40/03*  | 18691     | 27      | 15*,16,43,49/03                                      | 19387     | 9       | N46/03   |
| 18447     | 26         | 52/02;6,7,10,18,47/03   | 18692     | 27      | 22*,25/03   | 18693     | 2       | N46/03   | 19388     | 2       | N46/03   |
| 18448     | 33         | 1*,8/04   | 18694     | 27      | 32/03*  | 18695     | 14      | 49/02;7,16,21,43,48/03                               | 19401     | 8       | 10/03*   |
| 18449     | 18         | 50*,51/03;6/04  | 18696     | 27      | 32/03*  | 18697     | 14      | 10/04*   | 19402     | 6       | 9/03*  |
| 18450     | 17         | 9*,44/03;6/04   | 18698     | 27      | 32/03*  | 18699     | 14      | 7/03*  | 19421     | 7       | 8/03*  |
| 18452     | 16         | 34,38/03  | 18700     | 22      | 40/03*  | 18701     | 15      | 8/03*  | 19441     | 7       | 28/03*   |
| 18453     | 24         | 14*,25,36,38,42/03;6/04   | 18702     | 25      | 40/03*;7/04   | 18703     | 25      | 40/03*;7/04  | 19442     | 5       | 14*,26/03  |
| 18455     | 2          | N39/02;N15,N34,N38/03   | 18704     | 12      | 37/02   | 18705     | 31      | 35/02;4,6,10,12,25/03                                | 19461     | 7       | 10/03*   |
| 18458     | 15         | 19*,28,34,38/03   | 18706     | 11      | 35/02;6,10,39/03                                      | 18707     | 11      | 35/02;6,10,39/03                                     | 19480     | 7       | 6/04   |
| 18459     | 5          | N39/02;N9,N15,N28,<br>N34,N38/03  | 18708     | 3       | 6/03  | 18709     | 12      | 37/02  | 19482     | 9       | 6/04   |
| 18460     | 11         | 2*,6,7,43/03;3,6/04   | 18710     | 1       | 22*,25/03   | 18711     | 18      | 47/02;3,6/04   | 19483     | 6       | 11/03*   |
| 18464     | 23         | 24*,30/03   | 18712     | 27      | 32/03*  | 18713     | 5       | 45/02;2/03   | 19487     | 9       | 34/02;6,17,29,32,38/03;<br>2,7/04                  |
| 18465     | 35         | 2*,15,30/03;8/04  | 18714     | 1       | 23*,25/03   | 18715     | 6       | 49,51/02;26/03;7/04                                  | 19488     | 2       | 41,44,48/02;6/03                                   |
| 18468     | 17         | 7/03  | 18716     | 1       | 50/02   | 18717     | 1       | 10/03*   | 19489     | 2       | 34,36,44/02;25,47/03;                              |
| 18471     | 9          | 36/03*;8/04   | 18718     | 40      | 46*,49/03;1,5,7/04                                    | 18719     | 7       | 6/04   | 19490     | 7       | 7/04   |
| 18473     | 7          | 4*,18,19,34,38,45,47,<br>51/03;6,8/04                                     | 18720     | 31      | 35/02;4,6,10,12,25/03                                 | 18721     | 11      | 35/02;6,10,39/03                                     | 19491     | 3       | 39/02;6/03   |
| 18474     | 8          | 5*,8/04   | 18722     | 3       | 6/03  | 18723     | 3       | 6/03   | 19492     | 8       | 48/02*;4,6,29/03                                   |
| 18475     | 1          | 35/03   | 18724     | 1       | 22*,25/03   | 18725     | 27      | 32/03*   | 19493     | 2       | 41,44,48/02;6/03                                   |
| 18476     | 4          | 39/02;7,9,28,34,38/03;<br>6/04  | 18726     | 27      | 32/03*  | 18727     | 27      | 32/03*   | 19494     | 2       | 34,36,44/02;25,47/03;                              |
| 18477     | 5          | 7/03;6/04   | 18728     | 1       | 23*,25/03   | 18729     | 1       | 50/02  | 19495     | 7       | 7/04   |
| 18480     | 29         | 2*,6,7,43/03;3,6/04   | 18730     | 10      | 13,41,49,49/03;5,7/04                                 | 18731     | 10      | 45/02;1,5,6,16,21,26,28,31,<br>39,46,49,50/03;5,7/04 | 19496     | 2       | 22*,23,27,30/03                                    |
| 18484     | 10         | 40/02;15,29/03  | 18732     | 17      | 39*,43/03   | 18733     | 10      | 45/02;1,5,6,16,21,26,28,31,<br>39,41,49,50/03;5,7/04 | 19497     | 2       | 24*,26/03  |
| 18485     | 15         | 2*,10,29/03   | 18734     | 6       | 35/02*;16,33,49,49/03;4/04                            | 18735     | 42      | 40/02;5,6,16,21,26,28,31,<br>39,46,49,50/03;5,7/04   | 19498     | 17      | 10/04*   |
| 18500     | 28         | 39/02;12,22,28/03   | 18736     | 6       | 35/02*;16,33,49,49/03;4/04                            | 18737     | 14      | 51,52/02;5,6,9/03                                    | 19499     | 7       | 12,18,40/03  |
| 18502     | 84         | 39,42,49/02;9,21,28,29,<br>42,47,52/03                                    | 18738     | 6       | N34,N35,N45,N50/02;<br>N6,N25,N35,N36,N44/03;N1,N7/04 | 18739     | 23      | 48/02  | 19500     | 2       | 29/03  |
| 18504     | 65         | 19*,35/03;3/04  | 18740     | 2       | N1/04   | 18741     | 23      | 48/02  | 19501     | 3       | 34/02;7,8,9/03                                     |
| 18520     | 24         | 33,39/02;22/03  | 18741     | 15      | 1/04  | 18742     | 5       | 47/02  | 19502     | 2       | 34/02;32/03  |
| 18521     | 70         | 5/04*   | 18742     | 9       | 1/04  | 18743     | 13      | 51,52/02;36/03                                       | 19503     | 17      | 10/04*   |
| 18523     | 54         | 5*,8/04   | 18744     | 10      | 13,41/03;5/04   | 18745     | 1       | 50/02  | 19504     | 7       | 12,18,40/03  |
| 18524     | 33         | 33/02;4,6,10,24,29,47,<br>52/03;8/04                                      | 18746     | 7       | 21*,48/03   | 18747     | 1       | 50/02  | 19505     | 1       | 1/04   |
| 18525     | 33         | 33/02;4,9,29,52/03;6,<br>8/04   | 18748     | 17      | 39*,43/03   | 18749     | 1       | 50/02  | 19506     | 2       | 42/02;12,18,26/03;2/04                             |
| 18526     | 55         | 33/02;4,18,29,52/03;6,<br>8/04  | 18750     | 10      | 35/02*;10,16,49/03;4/04                               | 18751     | 15      | 45,50/02;12,27,46/03;<br>7/04                        | 19507     | 9       | 12,18/03/4/04                                      |
| 18527     | 21         | 48/03   | 18752     | 47      | 21*,48/03   | 18753     | 10      | 45,50/02;12,27,36/03;                                | 19508     | 17      | 12/03/4/04   |
| 18528     | 10         | 52/02*;18/03  | 18754     | 39      | 40*,41/03;4/04  | 18755     | 1       | 45,50/02;12,27,36/03;                                | 19509     | 3       | N12/03;N4/04                                       |
| 18529     | 10         | 52/02*  | 18756     | 10      | 35/02*;10,16,49/03;4/04                               | 18756     | 23      | 48/02  | 19510     | 7       | 5/04**   |
| 18531     | 20         | 34/02;9,10,48,52/03;2,<br>8/04  | 18757     | 2       | N1/04   | 18757     | 2       | 45,50/02;12,27,36/03;                                | 19511     | 11      | 33/03**  |
| 18532     | 20         | 10,52/03  | 18758     | 9       | 39,46,49,50/03;5,7/04                                 | 18758     | 1       | 45,50/02;12,27,36/03;                                | 19512     | 4       | 44/02;13,18,20,24,26,37,<br>41/03                  |
| 18534     | 15         | 50/03*  | 18759     | 10      | 35/02*;10,16,49/03;4/04                               | 18759     | 2       | 45,50/02;12,27,36/03;                                | 19513     | 3       | 42/02;12,18,26/03;2/04                             |
| 18545     | 15         | 50/03*  | 18760     | 6       | N34,N35,N45,N50/02;                                   | 18760     | 14      | 45,50/02;12,27,36/03;                                | 19514     | 11      | 33/03**  |

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 33/02 THROUGH NM 10/04**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

| Chart No. | Ed. No. | Notice to Mariners No.                                  | Chart No. | Ed. No. | Notice to Mariners No.                      | Chart No. | Ed. No. | Notice to Mariners No.            | Chart No. | Ed. No. | Notice to Mariners No.           |
|-----------|---------|---|-----------|---------|---|-----------|---------|-----------------------------------|-----------|---------|----------------------------------|
| 22331     | 2       | N10,N19,N24/03;N1,<br>N2/04                             | 24052     | 15      | 37,38/02;14,19,21,30,42,<br>44,50/03        | 24461     | 4       | 16,38,47/03                       | 26081     | 8       | 46/02;16,42,43/03                |
| 22335     | 4       | 19,52/03  | 24053     | 16      | 19/03                                       | 24462     | 5       | 47/02;16,29/03                    | 26100     | 4       | 31/03                            |
| 22341     | 9       | 43/02;11,21,29,52/03;<br>2/04                           | 24055     | 6       | 37,49/02;14,19,21,42,50,<br>51,52/03;6/04   | 24463     | 6       | 39/02;12,15,25,26,38/03           | 26122     | 30      | 22/03*                           |
| 22342     | 9       | 21,29/03  | 24057     | 4       | 38,49/02;20,30,33,42,<br>52/03;4,6/04       | 24465     | 6       | 33,47/02;38/03                    | 26125     | 3       | 41/03                            |
| 22343     | 1       | N43/02;N10,N11,N21,<br>N41,N52/03;N2/04                 | 24058     | 2       | 37,38/02;19,22,28,29,30,<br>42,44/03;7,9/04 | 24469     | 1       | 46,47/02;13/03                    | 26127     | 21      | 49/02;5/03                       |
| 22344     | 6       | N23*,N52/03   | 24060     | 2       | 34/02;17,32/03                              | 24470     | 4       | 39,47/02                          | 26128     | 50      | 49/02;5/03                       |
| 22345     | 11      | 42/02;24/03   | 24080     | 5       | 17/03                                       | 24471     | 8       | 47/02                             | 26129     | 11      | 41/03                            |
| 22347     | 6       | N23/03*   | 24091     | 6       | 6,21,46/03                                  | 24480     | 1       | 41,44,45,49/02;24,27,42,<br>48/03 | 26142     | 10      | 33/02                            |
| 22351     | 1       | N43/02;N12,N35,N41,<br>N52/03;N2/04                     | 24092     | 14      | 6/03  | 24482     | 2       | 49/02;31/03                       | 26210     | 2       | 36/02                            |
| 22352     | 6       | 12,19,24,35,52/03;1,2/04                                | 24100     | 5       | 46/03                                       | 24483     | 2       | 49/02                             | 26218     | 2       | 31/03                            |
| 22360     | 2       | 19,52/03;2/04   | 24101     | 3       | 37,41/02                                    | 24484     | 3       | 49/02;31/03                       | 26219     | 5       | 31/03                            |
| 22361     | 2       | N10,N30,N32,N33,N34,<br>N52/03;N2/04                    | 24102     | 3       | 37,41/02                                    | 24490     | 3       | 25,27/03                          | 26229     | 11      | 31/03;9/04                       |
| 22370     | 2       | 15,19,26,30,33,34/03;<br>2/04                           | 24103     | 3       | 10/04                                       | 24491     | 3       | 27/03                             | 26230     | 12      | 31/03;9/04                       |
| 22371     | 5       | 30,32,33,52/03;2,4/04                                   | 24110     | 3       | 35/03                                       | 24492     | 20      | 46/02                             | 26240     | 7       | 9/03                             |
| 22373     | 1       | N50/02;N10,N24,N30,<br>N32,N33,N34/03;N3/04             | 24110     | 14      | 5/03  | 24500     | 1       | 7/04*                             | 26244     | 3       | 9/03                             |
| 22375     |         | N10,N15,N26,N37/03                                      | 24113     | 6       | 31/03                                       | 24501     | 3       | 27/03                             | 26245     | 16      | 51/02;15/03                      |
| 22377     | 1       | N10,N13/03;N2,N4/04                                     | 24114     | 1       | 5/03  | 24502     | 6       | 46/02;27,34,47/03                 | 26259     | 2       | 51/02                            |
| 22379     | 1       | N50/02;N10,N30,N32/03                                   | 24115     | 27      | 41,47/03;6,7/04                             | 24504     | 7       | 41,45,46/02;42,48/03              | 26261     | 27      | 8/03                             |
| 22381     |         | N43/02  | 24116     | 4       | 41/03;6,7/04                                | 24508     | 3       | 22/03*                            | 26262     | 3       | 8/03                             |
| 22395     | 2       | 42/02;15,19,22,26,30/03                                 | 24118     | 18      | 41,42,46/03;6,7/04                          | 24509     | 2       | 45,50/02;15,25,34,42/03           | 26282     | 6       | 22,23,34/03                      |
| 22401     | 4       | N23*,N30/03   | 24141     | 4       | 5/03  | 24510     | 2       | 41,45,46,50/02;42/03              | 26290     | 1       | 21/03**                          |
| 22403     | 1       | N45/02  | 24142     | 43      | 5,6/03;7/04                                 | 24511     | 2       | 24,42,48/03                       | 26295     | 1       | 21*,22,34/03                     |
| 22404     | 15      | 46/02   | 24149     | 1       | 52/03                                       | 24512     | 3       | 44,46/02;24,25,38,42/03           | 26300     | 7       | 21/03*                           |
| 22406     | 1       | N1/03   | 24150     | 27      | 41,47/03;6,7/04                             | 24513     | 18      | 46/02;38,42/03                    | 26308     | 5       | 21*,22,23,34/03                  |
| 22407     | 1       | N4,N11,N18,N30/03                                       | 24151     | 4       | 41/03;6,7/04                                | 24517     | 2       | 46,49/02;25,40,42/03              | 26309     | 26      | 11/03                            |
| 22408     | 1       | N10,N21/03  | 24152     | 2       | 41,47/03;6/04                               | 25001     | 7       | 15,52/03                          | 26310     | 1       | N48/03*                          |
| 22409     | 4       | N45/02;N10,N17,N22/03                                   | 24153     | 6       | 39,47/03;6/04                               | 25017     | 5       | 15,25,31,34,39,52/03              | 26312     | 2       | 21/03                            |
| 22410     | 32      | 43,44,46/02;19,23,40/03                                 | 24155     | 6       | 46,49/03                                    | 25018     | 9       | 15,25,31,34,39,52/03              | 26316     | 3       | 21/03                            |
| 22412     | 2       | 2,4/04  | 24160     | 21      | 47/03;10/04                                 | 25400     | 1       | 35,48/02;8/04                     | 26320     | 5       | 35/02;7,12,22,23,25,31,<br>40/03 |
| 22413     |         | N45/02;N22/03   | 24161     | 11      | 42/02;7,28,32,39,40,<br>47/03;10/04         | 25480     | 1       | 42,46/02;52/03;8/04               | 26323     | 4       | 1/03                             |
| 22415     | 8       | 2,4/04  | 24162     | 9       | 42/02;6,7,28,32,39,40,42,<br>47,52/03;10/04 | 25481     | 25      | 8/04                              | 26327     | 2       | N41/02**;N17/03                  |
| 22417     | 1       | N10,N25/03;N1/04  | 24164     | 6       | 39,41,47/03                                 | 25483     | 20      | 8/04                              | 27005     | 4       | 6,8,9,22,23,34/03                |
| 22418     | 2       | 36,44,46/02;19/03                                       | 24170     | 14      | 5,6,35/03;9/04                              | 25485     | 45      | 36/03;10/04                       | 27040     | 5       | 9/03                             |
| 22420     | 2       | 4,11,15,19,30,40/03                                     | 24171     | 19      | 5,6,37,52/03                                | 25487     | 2       | 36/03;10/04                       | 27041     | 4       | 50/02                            |
| 22421     | 4       | N43,N44,N46/02;N11,<br>N23,N25,N26,N27/03;<br>N4/04     | 24172     | 3       | 39/03                                       | 25524     | 33      | 02;1,5,20,24,26,32/03             | 27042     | 21      | 41,42/03;10/04                   |
| 22423     | 3       | N11,N25,N27/03  | 24173     | 33      | 39/03                                       | 25525     | 17      | 1,5,26/03                         | 27060     | 2       | 22,23,34/03                      |
| 22424     |         | N27/03  | 24174     | 4       | 5,6/03                                      | 25526     | 2       | 33/02;24,32/03                    | 27080     | 4       | 15,22,39,52/03                   |
| 22425     | 2       | 44,46/02  | 24175     | 15      | 39/03                                       | 25527     | 31      | 33/02;24,32/03                    | 27081     | 6       | 49/02                            |
| 22427     | 1       | N43,N44,N46,N50/02;<br>N11,N23,N25,N26,<br>N40/03;N9/04 | 24176     | 20      | 52/03;9/04                                  | 25528     | 5       | 42/02                             | 27082     | 6       | 49,51/02                         |
| 22429     | 2       | 44,46/02  | 24177     | 15      | 36,43/02;9/04                               | 25550     | 2       | 21/03                             | 27083     | 39      | 28/03;4/04                       |
| 22430     | 6       | 19/03   | 24178     | 33      | 39/03                                       | 25553     | 50      | 33/02;14,18,21/03                 | 27084     | 4       | 13/03                            |
| 22433     | 3       | 39,47/02;11,14,35/03                                    | 24179     | 36      | 49/03                                       | 25556     | 7       | 33/02                             | 27100     | 2       | 8,21/03                          |
| 22434     | 2       | 35/03   | 24180     | 14      | 42/03                                       | 25566     | 27      | 18,30/03                          | 27102     | 11      | 28/03                            |
| 22436     | 2       | 39/02;10,14/03  | 24181     | 14      | 39/03                                       | 25567     | 16      | 21/03                             | 27120     | 4       | 41,43,44/02                      |
| 22440     | 1       | 19/03   | 24182     | 3       | 39/03                                       | 25570     | 3       | 16/03                             | 27142     | 5       | 9/03                             |
| 22471     | 31      | 44/02;2,6,8/04  | 24183     | 2       | 17,29/03                                    | 25575     | 4       | 35,39/03                          | 27160     | 2       | 8,13,35/03                       |
| 22481     | 35      | 43,44/02;19,03/2/04                                     | 24184     | 2       | 17,29/03                                    | 25607     | 4       | 39/02;48/03                       | 27163     | 21      | 49/02;8/03                       |
| 22482     | 16      | 44,50/02;23/03;9/04                                     | 24185     | 3       | 36,43/02                                    | 25608     | 21      | 16,26,34,38/03;1/04               | 27183     | 8       | 1,9/03                           |
| 22492     | 3       | 34/03   | 24186     | 4       | 36/02                                       | 25609     | 5       | 1/04                              | 27186     | 8       | 1,9/03                           |
| 22521     | 3       | 12,17,17/03   | 24187     | 6       | 36/02;37,42,46/03                           | 25610     | 8       | 2/04                              | 27206     | 18      | 9/04                             |
| 22523     | 3       | 12,17,34/03   | 24188     | 3       | 27,03/04                                    | 25611     | 22      | 1/04                              | 28004     | 1       | 45/02;8,9,22/03                  |
| 22529     | 3       | 12,17,35/03   | 24189     | 15      | 36,43/02;9/04                               | 25613     | 2       | 25,27,47/03;8/04                  | 28006     | 1       | 8/03                             |
| 22531     | 2       | 12,17,35/03   | 24190     | 3       | 35/03                                       | 25640     | 40      | 15,25,31,34,39,52/03              | 28050     | 3       | 34/02;26,42,47/03                |
| 23000     | 5       | 51/03   | 24191     | 4       | 36/02                                       | 25641     | 26      | 1/04                              | 28084     | 4       | 17/03**                          |
| 23010     | 4       | 38/02   | 24192     | 4       | 36/02                                       | 25644     | 13      | 20/03*                            | 28150     | 3       | 8/03                             |
| 23020     | 4       | 22/03   | 24193     | 2       | 51/02;18/03                                 | 25646     | 7       | N42/02                            | 28154     | 2       | 38/03                            |
| 23030     | 6       | 38/02;21,22,37,42/03                                    | 24194     | 22      | 36/02;37,46/03                              | 25649     | 19      | 44/03*                            | 28165     | 19      | 6/04                             |
| 23121     | 7       | 17,20/03  | 24195     | 1       | 25/03                                       | 25650     | 33      | 25,30,31,39,03                    | 28190     | 2       | 41,43,45,46/02;18/03             |
| 23122     | 8       | 33/02   | 24196     | 1       | 24/02;38/03                                 | 25653     | 13      | 8/03*                             | 28196     | 4       | 41,43,45/02;18/03                |
| 23124     | 3       | N17,N20/03  | 24197     | 1       | 38/03                                       | 25659     | 9       | 20/03*                            | 28197     | 4       | 45/02;18/03                      |
| 23125     | 4       | 17/03   | 24198     | 2       | 35/02;48/03;1/04                            | 25663     | 27      | 17,30,39/03                       | 28202     | 22      | 41,44/02                         |
| 23131     | 7       | 12,22/03  | 24199     | 2       | 35/02                                       | 25664     | 15      | 17,30,39/03                       | 28210     | 2       | 33,35,39,41/02                   |
| 23141     | 7       | 34/02;22,37/03  | 24200     | 8       | 35,44,48/02                                 | 25666     | 17      | 17/03                             | 28220     | 2       | 35,39/02                         |
| 23142     | 10      | 8,37,47/03  | 24201     | 10      | 35,36,44,48/02                              | 25673     | 9       | 20/03*                            | 28221     | 18      | 33,37,39/02;5/03                 |
| 23145     | 3       | 37,51/03  | 24202     | 30      | 2/03  | 25677     | 20      | 32*,39,52/03                      | 28223     | 4       | 35,39/02                         |
| 23150     | 10      | 37,52/02  | 24203     | 21      | 36,44,48/02                                 | 25679     | 10      | 20/03*                            | 28282     | 2       | 35/02                            |
| 23151     | 3       | 12/03   | 24204     | 2       | 44/02                                       | 25720     | 3       | 33/02                             | 28260     | 30      | 35,37/02                         |
| 23152     | 3       | 37/02;12/03   | 24205     | 5       | 39/02;8,11,31,52/03                         | 25800     | 3       | 36/02                             | 28263     | 3       | 35,37/02                         |
| 23153     | 8       | 12,13,49/03   | 24206     | 14      | 39/02;31,52/03                              | 25841     | 9       | 36/02                             | 28264     | 3       | 35,37/02                         |
| 24004     | 36      | 41,42,46/03   | 24207     | 3       | 52/03                                       | 25848     | 25      | 5,13,15/03                        | 28265     | 3       | 37/02                            |
| 24016     | 53      | 39/02   | 24208     | 4       | 39/02;52/03                                 | 25849     | 13      | 42/02;12/03                       | 28281     | 32      | 36/02                            |
| 24024     | 46      | 18,25/03  | 24209     | 3       | 26,47/03;6/04                               | 25860     | 4       | 9/03                              | 28282     | 2       | 35/02                            |
| 24028     | 6       | 48/02   | 24210     | 5       | 26/03                                       | 26050     | 1       | 34/02;26,47/03                    | 28282     | 2       | 35/02                            |
| 24050     | 11      | 34,38,49/02;20,31,32,33,<br>51,52/03;6/04               | 24211     | 5       | 5,26/03                                     | 26060     | 11      | 49/02;42/03                       | 28300     | 1       | 39,50/2                          |
|           |         |   | 24212     | 4       | 39,47/02;15,29,32,47/03                     | 26068     | 11      | 18,50/03                          | 28302     | 16      | 33,39,40/02;12/03;7/04           |















## SECTION II

NM 10/04

## NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

| Note: Underlining indicates that column in which a correction has been made or new information added. |   |                                      |     | Edition      |     | Price Category | Page(s) | NTM |
|---|---|--------------------------------------|-----|--------------|-----|----------------|---------|-----|
| NGA Ref. No.<br>(National Stk. No.)   | Title   | Scale = 1:                           | No. | Date         |     |                |         |     |
| REGION 1  |   |                                      |     |              |     |                |         |     |
| 11XHA11404<br>(7642014010239)   | Carrabelle to Apalachicola Bay  | 40,000                               | 22  | <u>11/03</u> | NOS | 1-94           | 10/04   |     |
|   | Carrabelle River Extention<br>(Not shown on index)  | 20,000                               |     |              |     |                |         |     |
| 11XHA11425<br>(7642014010236)   | Charlotte Harbor to Tampa Bay<br><br>(Not shown on index)   | 40,000                               | 35  | <u>11/03</u> | NOS | 1-94           | 10/04   |     |
| 16ACO16013<br>(7642014011236)   | Cape St. Elias to Shumagin Islands (LORAN-C)<br><br>Inset: Semidi Islands   | 969,761                              | 29  | <u>11/03</u> | NOS | 1- 97          | 10/04   |     |
| 17XHA17328<br>(7642014011433)   | <u>Snipe Bay to Crawfish Inlet</u><br><u>Continuation of Necker Bay</u>   | 40,000                               | 7   | <u>11/03</u> | NOS | 1-72,97        | 10/04   |     |
| 17XHA17330<br>(7642014011430)   | <u>Cape Ommaney to Byron Bay</u>  | 20,000                               | 8   | <u>11/03</u> | NOS | 1-72,97        | 10/04   |     |
| 17XHA17407<br>(7642014011454)   | <u>Northern Part of Tlevak Strait and Ulloa Channel</u>   | 40,000                               | 15  | <u>11/03</u> | NOS | 1-74,98        | 10/04   |     |
| 18XHA18682<br>(7642014011645)   | Half Moon Bay   | 20,000                               | 14  | <u>11/03</u> | NOS | 1-98           | 10/04   |     |
| 19XHA19329<br>(7642014011698)   | <u>Mahukona Harbor and Approaches</u>   | 5,000                                | 8   | <u>11/03</u> | NOS | 1-92,99        | 10/04   |     |
| REGION 2  |   |                                      |     |              |     |                |         |     |
| 22AHA22181<br>(7642014011802)   | <u>Approach to Puerto San Martin and Pisco</u><br><u>Plan: Puerto San Martin</u>  | 75,000                               | 17  | <u>11/03</u> | A   | 2-12,62        | 10/04   |     |
|   |   | 20,000                               |     |              |     |                |         |     |
| 22BHA22182<br>(7642014011819)   | Approaches to Matarani and Ilo<br><br>Plans A: Matarani<br>B: Ilo<br>C: Approaches to Matarani<br>D: Approaches to Ilo  | 10,000<br>15,000<br>75,000<br>75,000 | 7   | <u>11/03</u> | A   | 2-62           | 10/04   |     |
| REGION 5  |   |                                      |     |              |     |                |         |     |
| 52BHA52088<br>(7642014008398)   | <u>Benidorm and Approaches</u><br><u>Plan: Ensenada de Benidorm</u>   | 75,000<br>15,000                     | 3   | <u>10/03</u> | A   | 5-29,42        | 10/04   |     |
| MISCELLANEOUS CHARTS AND PUBLICATIONS   |   |                                      |     |              |     |                |         |     |
| LLPUB110<br>(7642014007534)   | <u>Greenland, The East Coast of North and South America<br/>(Excluding Continental U.S.A. Except the East Coast of<br/>Florida) and the West Indies, 2004</u> |                                      |     |              | GPO | 10-22          | 10/04   |     |

Price Categories effective 1 October 2002

|   |       |   |      |   |      |   |       |
|---|-------|---|------|---|------|---|-------|
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| D | 10.75 | F | 9.00 | H | 2.50 | R | 2.50  |

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NOS National Ocean Service

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## SECTION II

### NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

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## SECTION II

NM 10/04

### NAVIGATION PUBLICATIONS

#### NGA LIST OF LIGHTS CORRECTIONS

|                |                |                    |
|----------------|----------------|--------------------|
| <b>PUB 110</b> | <b>Ed 2004</b> | <b>NEW EDITION</b> |
| (NGA)          |                | 10/04              |

#### SAILING DIRECTIONS CORRECTIONS

|  |                  |                      |
|--|------------------|----------------------|
| <b>PUB 147</b>   | <b>7 Ed 2001</b> | <b>LAST NM 50/03</b> |
| Page 130—Line 40/R; insert after:  |                  |                      |
| <b>Caution.</b> —Two wrecks have been reported (2003) to lie about 1 mile NW of Anse a la Barque Point Light.<br>(Fr NM 43/03) 10/04 |                  |                      |

|   |                  |                      |
|---|------------------|----------------------|
| <b>PUB 154</b>  | <b>8 Ed 2002</b> | <b>LAST NM 47/03</b> |
| Page 33—Line 6/L; insert after:   |                  |                      |
| <b>Anchorage.</b> —Vessels waiting to enter the Frazer River may use Anchorage S (short term anchorage) located about 1.5 miles N of Sand Heads Light. A pilot must remain on board at all times.<br>(BA NM 4/04) 10/04 |                  |                      |

|  |                  |                      |
|--|------------------|----------------------|
| <b>PUB 159</b>   | <b>8 Ed 2002</b> | <b>LAST NM 48/02</b> |
| Page 24—Lines 42 to 46/R; strike out.  |                  |                      |
| (3(75)03 Tokyo) 10/04<br><br>Page 25—Lines 24 to 25/L; read:<br>entrance.<br>(3(75)03 Tokyo) 10/04 |                  |                      |

|  |  |  |
|--|--|--|
| Page 44—Line 25/R to Page 45—Line 5/L; read:<br>ing. Pilots are available between sunrise and sunset and board in the following positions: |  |  |
| 1. Niigata—37°58.4'N., 139°02.5'E.<br>2. Niigata East—38°00.7'N., 139°11.7'E.<br>(BA NM 32/03) 10/04                                       |  |  |

|   |  |  |
|---|--|--|
| Page 217—Line 3/R; read:<br>midway between HW and low water. Slack water lasts only a few minutes. The straits require careful navigation and slow vessels need to be aware that at times they may be unable to make way over ground. |  |  |
| (BA NM 4/04) 10/04  |  |  |

|                                |                  |                      |
|--------------------------------|------------------|----------------------|
| <b>PUB 161</b>                 | <b>8 Ed 2002</b> | <b>LAST NM 12/03</b> |
| Page 4—Lines 43 to 45/R; read: |                  |                      |

|  |  |  |
|--|--|--|
| <b>Xijiang Terminal</b> (21°18'N., 114°59'E.), developed 20 miles W of Huizhou Oil Terminal, consists of three offshore tanker mooring buoys connected by a submarine pipeline. Pilotage is compulsory; the pilot boards by helicopter no less than 4 miles from the terminal. Vessels should notify agents and the terminal with an ETA 96 hours, 72 hours, 48 hours, 24 hours, and 12 hours prior to arrival.<br>(BA NM 25/03) 10/04 |  |  |
|--|--|--|

Page 18—Lines 23 to 24/R; read:  
Control on VHF channel 16. The pilot boards in the No. 5 Anchorage.  
 (BA NM 42/03) 10/04

Page 25—Lines 50/L to 5/R; read:  
All owners, agents, and masters or persons-in-charge of all vessels are required to report their arrival and movements of their vessels to the Vessel Traffic Center (VTC), call sign "MARDEP," when entering, leaving, or moving in the waters of Hong Kong, unless they are exempt under Hong Kong port regulations.

The owners, agents, or masters of these vessels which participate in the VTS shall apply for permission to enter the waters of Hong Kong by providing pre-arrival notifications to the VTC through fax not less than 24 hours before the intended entry into the waters of Hong Kong from the sea or river trade waters or immediately after leaving their last port of call if the intended entry into the waters of Hong Kong is less than 24 hours after leaving such port. Vessels which are not participating in the VTS should also fax their pre-arrival notifications to the VTC.

(BA NM 4/04) 10/04

Page 68—Lines 44 to 45/R; read:  
entrance.  
 (BA NM 32/03) 10/04

Page 127—Lines 8 to 9/L; read:  
**Pilotage.**—Pilotage is compulsory. Pilots can be contacted on VHF channels 13, 14, and 16 and board in the following positions:

1. North Entrance—13°13.3'N., 100°51.9'E.  
2. South Entrance—13°03.0'N., 100°47.3'E.  
 (BA NM 37/03) 10/04

Page 127—Line 54/L; read:  
**Pilotage.**—Pilots board in the following positions:  
 1. North Entrance—13°13.3'N., 100°51.9'E.  
 2. South Entrance—13°03.0'N., 100°47.3'E.  
 (BA NM 37/03) 10/04

Page 128—Lines 3 to 6/L; read:  
**Pilotage.**—Pilotage is compulsory. Pilots can be contacted on VHF channels 10, 12, 13, 14, and 16 and board in the following positions:  
 1. North Entrance—13°13.3'N., 100°51.9'E.  
 2. South Entrance—13°03.9'N., 100°47.3'E.  
 (BA NM 37/03; BA NP 286(4)) 10/04

**COAST PILOT CORRECTIONS**

**COAST PILOT 1      33 Ed 2003      Change No. 24  
LAST NM 8/04**

Page 194—Paragraph 73, lines 9 to 14; read:

4 and Lighted Buoy FB. Vessels arriving from the East are requested to make their approach at the eastern end of the Frenchman Bay Recommended Route at 44°14.9'N., 67°56.2'W., in the vicinity of Buoy FBE. Vessels should then proceed along the Recommended Route toward Buoy FB. Vessels arriving from the south are requested to approach from the southern end of the Recommended Route, at 44°09.6'N., 68°08.8'W., in the vicinity of Buoy FBS. Vessels then proceed along the Recommended Route to Buoy FB. The pilots will board arriving vessels 1 to 2 miles seaward of the Buoy FB, along the recommended route. The pilot boat is the FRENCHMAN BAY, a 36-foot white lobster boat displaying a pilot flag and lights for a pilot boat. Arriving vessels should contact the pilot boat one hour prior to arrival. As no pilot boat is kept on station and there are no long-range communications available, arriving vessels are requested to maintain their 24-hour ETA and to not arrive at the pilot station ahead of this schedule.

(CL 99/04; LL/03)

10/04

Page 226—Paragraph 121; read:

Pilot pickup stations: for the eastern entrance to the bay, vessels should make arrival at Penobscot Bay East Approach Lighted Whistle Buoy PBA (43°55'37"N., 68°39'37"W.), and follow the Recommended Route due west. The pilot will board 3 miles east of Penobscot Bay Lighted Buoy WP, at 43°55.5'N., 68°49.0'W. For the western entrance, pilots board at Manana Island Lighted Whistle Buoy 14M (43°45'18"N., 69°22'18"W.). The pilots require 36, 24, and 12 ETAs, as no pilot boats are maintained on station.

(CL 99/04; LL/03)

10/04

Page 227—Paragraphs 131 to 132; read:

The pilot boats at Monhegan Island (the west entrance to the bay) are local lobster fishing vessels which display a pilot flag by day and lights for a pilot boat by night. The pilot boat for the eastern entrance to the bay is a 48-foot black-hulled pilot boat with a white cabin top and "PILOT" written on the sides and top of the superstructure. The pilot boats can be contacted one hour prior to the last stated ETA on VHF-FM channel 16. The pilot boat will instruct the arriving vessel which side to place the ladder on. The ladder should be meter above the water, well lit, and in compliance with IMO Specifications. Integrated tug and barge units are required to have a proper pilot ladder rigged from the barge. Pilots will board vessels day and night when weather and sea conditions permit.

(CL 99/04)

10/04

Page 227—Paragraph 134; strike out.

(CL 99/04)

10/04

Page 227—Paragraph 137, lines 2 to 4; read:  
water facilities are as follows: Large commercial vessels should engage the services of escort tugs for inbound and outbound transits,...

(CL 121/04)

10/04

Page 248—Paragraph 443, line 3; read:  
lighted bell buoy. An abandoned light house also marks the ledge. The passage between the ledge and...

(42/03 CG1)

10/04

Page 303—Paragraph 679, lines 8 to 9; read:  
207-774-5683. The pilot office monitors VHF-FM channels 16 and 11, Monday through Friday from 0900 to 1700 hours. A pilot can be reached during non-office hours by calling 207-774-5623 or through the vessel's port agent. The pilot boat monitors ...

(CL 51/04)

10/04

Page 303—Paragraph 680, lines 1 to 3; read:

Vessels awaiting the boarding of a pilot should anchor about 1.5 miles north and east of Portland Lighted Horn Buoy P to allow the unrestricted passage of other...

(CL 51/04)

10/04

Page 371—Paragraph 157, line 7; read:  
peninsula.

**Vessel Reporting Advisory: Operations in Vicinity of Logan International Airport** (also see chart 13270). Vessels operating near Boston's Logan International Airport have the potential to affect procedures for aircraft landing and departing at the airport. Vessels with an air draft of 85 feet or greater require the advisories be issued to aircraft by air traffic controllers, and in some instances that runway use be restricted. Notification by these vessels of maximum air draft when operating in the vicinity of the airport is intended to provide aircraft important notice of potential obstructions.

Vessels with an air draft height of 85 feet (26 meters) or greater are advised to report their maximum air draft heights (including masts, cranes, antenna, or other projections) when anchored, or in transit in Boston Harbor between Deer Island and the World Trade Center. Notification is to be made to the Massachusetts Port Authority's Communication Center, preferably via telephone, at 617-561-1919. Vessels without telephone capability are requested to provide notification to Coast Guard Group Boston on VHF channel 81, to be relayed via telephone to the Massachusetts Port Authority's Communication Center.

Please supply the vessel's name, maximum air draft (including masts, cranes, antenna, and other projections), destination, and estimated time that the vessel will be transiting/anchored/moored in Boston Harbor between Deer Harbor and the World Trade Center. Also supply a point of contact and call-back method of communication for the vessel while operating in the specified area.

(CL 121/04)

10/04

**COAST PILOT 1 (Continued)**

|  |       |  |       |
|--|-------|--|-------|
| Page 375—Paragraph 223, lines 4 to 5; read:<br>of about 19 feet. A rock covered 17 feet is in the channel<br>about 0.3 mile east-northeastward of Nut Island.<br>(BP 180122; 20/94 CG1)  | 10/04 | Route 613 bridge, thence 11.4 feet to the head of the project<br>with shoaling to 1.2 feet at the head of the project.<br>(CL 1531/03)   | 10/04 |
| <b>COAST PILOT 5            31 Ed 2004            Change No. 8<br/>LAST NM 9/04</b>  |       |  |       |
| Page 98—Paragraph 1053, line 7; read:<br>6:30 a.m. to 8:30 a.m. and from 3:30 p.m. to 5:45 p.m., ...<br>(CL 1837/03; FR 12/15/03)  | 10/04 | An overhead power cable with a clearance of 213 ...<br>(CL 1517/03)  | 10/04 |
| Page 351—Paragraph 69, lines 6 to 9; read:<br><b>Eastpoint</b> , 1 mile NE of Cat Point. In June 2003, the mid-<br>channel controlling depths were 2.9 feet in the entrance<br>channel, thence 1.5 feet in the W arm of the channel paralleling<br>the shore at Eastpoint and 0.3 foot in the E arm.<br>(CL 1547/03) | 10/04 | Page 458—Paragraph 183, lines 1 to 5; read:<br><b>Ship Shoal Obstruction Light</b> ( $28^{\circ}54'52"N.$ , $91^{\circ}04'16"W.$ ), a brown skeleton structure (an abandoned light<br>house) on piles, is in 10 feet of water on the NW part of Ship<br>Shoal and about 86 miles W of Southwest Pass. The struc-<br>ture is marked by two ...<br>(41/03 CG8; LL/03; NOS 11356) | 10/04 |
| Page 352—Paragraph 79, lines 7 to 10; read:<br>Light TM. In July 2003, the controlling depth in the entrance<br>channel was 3.5 feet (3.9 feet at midchannel), thence 5.7 feet<br>in the W and E channels. An entrance light ...<br>(CL 1546/03)   | 10/04 | Page 462—Paragraph 248, line 9; read:<br>thence in October 2002, 10 feet to the head of the canal at ...<br>(43/03 CG8; H-11189)   | 10/04 |
| Page 352—Paragraph 80, lines 3 to 5; read:<br>basin in <b>Scipio Creek</b> . In July 2003, the controlling depth in<br>the channel was 7.5 feet (9.0 feet at midchannel) with 6.4 to<br>8.0 feet in the basin.<br>(CL 1450/03)   | 10/04 | Page 582—Paragraph 178, line 8; read:<br>harbor and is protected by a breakwater. The city wall ex-<br>tends from the castle along the ...<br>(CL 1318/03; BP 181244; NOS 25670)   | 10/04 |
| Page 361—Paragraph 196, lines 7 to 8; read:<br>channel running parallel to the highway bridge. In July 2003,<br>the controlling depth was 6.5 feet (8.0 feet at ...<br>(CL 1449/03)  | 10/04 | <b>COAST PILOT 8            25 Ed 2003            Change No. 14<br/>LAST NM 7/04</b>   |       |
| Page 361—Paragraph 205, lines 12 to 14; read:<br>advised. In August 2003, the controlling depth was 4.8 feet<br>(7.3 feet at midchannel) from Buoy CB to the bridge, thence<br>9.4 feet (10.5 feet at midchannel) through North ...<br>(CL 1543/03)  | 10/04 | Page 333—Paragraph 100, line 7; read:<br>easternmost island and a 2.5-fathom rock that is reported to<br>be 255 yards N of the same easternmost island. Small craft<br>frequently anchor close ...<br>(CL 1618/03)   | 10/04 |
| Page 368—Paragraph 287, lines 11 to 13; read:<br>Escambia River. In June 2003, the controlling depth was 7.4<br>feet (10.0 feet at midchannel) to the mouth of the Escambia<br>River, thence 3.5 feet (5.2 feet at midchannel) to the head of<br>...<br>(CL 1444/03)   | 10/04 | Page 336—Paragraph 141, line 1; read:<br>Anchorage in 7 to 25 fathoms, mud bottom, can be ...<br>(CL 1618/03)  | 10/04 |
| Page 377—Paragraph 54, lines 4 to 7; read:<br>daybeacons. In June 2003, the controlling depth was 7.0 feet<br>from the entrance in Mobile Bay to the head of the project,<br>about 1 mile above the mouth with 6.6 feet on the right edge<br>in the last 400 feet of the project.<br>(CL 1534/03)                    | 10/04 | Page 336—Paragraph 142; read:<br>Anchorage in 5 to 7 fathoms, mud bottom, can also be had<br>at the <b>Western Anchorage</b> , E of Channel Rock, just inside<br>the lighted breakwaters.<br>(CL 1618/03)  | 10/04 |
| Page 390—Paragraph 220, lines 7 to 11; read:<br>above the State Route 613 bridge. In April 2003, the control-<br>ling depth was 7.5 feet (9.7 feet at midchannel) to the State   |       | Page 336—Paragraph 144, lines 2 to 4; read:<br>anchorage in about 10 to 12 fathoms, mud bottom, with<br>Japonski Island Aero Light ( $57^{\circ}02'49"N.$ , $135^{\circ}21'56"W.$ )<br>bearing $110^{\circ}$ , distant 0.3 mile. This anchorage is exposed ...<br>(CL 1618/03; NOS 17327)  | 10/04 |
|  |       | Page 336—Paragraph 145, line 2; read:<br>anchorage in 8 to 13 fathoms, mud bottom, about 400 ...<br>(CL 1618/03)   | 10/04 |
|  |       | Page 336—Paragraph 146, line 6; read:<br>NW approach to Sitka. The depth ranges from 8 to 13 fath-<br>oms, ...<br>(CL 1618/03)   | 10/04 |

**COAST PILOT 8 (Continued)**

Page 336—Paragraph 148, line 4 to Paragraph 149; read:

**Bamdoroshni Island.**

(CL 1618/03)

10/04

Page 336—Paragraph 151, lines 2 to 3; read:

part of Sitka Harbor in about 57°03'12.5"N., 135°20'53.6"W.

Boulders with 3 fathoms and 2.6 fathoms are about 140 ...

(CL 1618/03; LL/03)

10/04

Page 338—Paragraph 184, line 10; read:

shoal, marked by a daybeacon, is about 100 yards S of the W

...

(CL 1618/03; LL/03)

10/04

Page 339—Paragraph 191; read:

In August 2003, a wreck was reported just W of the entrance to the basin at 57°03'21"N., 135°21'06"W.

(CL 1618/03)

10/04

Page 346—Paragraph 18, line 9 to Paragraph 19, line 1;  
read:

edge of the kelp on their S sides. A submerged rock surrounded by kelp lies 100 yards SSE of the westernmost Krugloj Island.

**Round Island**, about 500 yards E of the Krugloj Islands,  
is ...

(CL 1618/03; NOS 17323)

10/04

Page 346—Paragraph 22, lines 7 to 8; read:

Narrows, where the maximum velocity is 8 to 9 knots on the flood and 8 to 9 knots on the ebb, creating standing waves.

For other places in the strait, the ...

(CL 1618/03)

10/04

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

| (1)<br>No.  | (2)<br>Name and Location                              | (3)<br>Position          | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure   | (8)<br>Remarks                                       |
|---|---|--------------------------|-----------------------|---------------|--------------|--|--|
| <b>*Add Heading:<br/>*West Penobscot Bay</b>  |   |                          |                       |               |              |  |  |
| *4428   | Kelly's Cove Aquaculture Buoy A                       | 44 22 17 N<br>68 57 04 W |                       |               |              | White and orange buoy marking aquaculture rafts.         | Private aid.<br><br>10/04                            |
| *4429   | Kelly's Cove Aquaculture Buoy B                       | 44 22 11 N<br>68 57 03 W |                       |               |              | White and orange buoy marking aquaculture rafts.         | Private aid.<br><br>10/04                            |
| <b>*Add Headings:<br/>*PENOBSKOT RIVER (Chart 13309)<br/>*West Penobscot Bay</b>    |   |                          |                       |               |              |  |  |
| *4431   | Kelly's Cove Aquaculture Buoy C                       | 44 22 11 N<br>68 57 01 W |                       |               |              | White and orange buoy marking aquaculture rafts.         | Private aid.<br><br>10/04                            |
| *4432   | Kelly's Cove Aquaculture Buoy D                       | 44 22 17 N<br>68 57 03 W |                       |               |              | White and orange buoy marking aquaculture rafts.         | Private aid.<br><br>10/04                            |
| *4433   | <i>Kelly's Cove Aquaculture Lighted Buoy E</i>        | 44 22 14 N<br>68 57 03 W | Fl W 4s               |               |              | 4 White and orange buoy marking aquaculture rafts.       | Private aid.<br><br>10/04                            |
| *4434   | <i>Kelly's Cove Aquaculture Lighted Buoy F</i>        | 44 22 13 N<br>68 57 03 W | Fl W 4s               |               |              | 4 White and orange buoy. Marks aquaculture.              | Private aid.<br><br>10/04                            |
| <b>*Delete Headings:<br/>*PENOBSKOT RIVER (Chart 13309)<br/>*West Penobscot Bay</b> |   |                          |                       |               |              |  |  |
| 4435  | <i>Islesboro Island Lighted Bell Buoy II</i>          |                          | Mo (A) W              |               |              | 6 Red and white stripes with red spherical topmark.      | Replaced by nun when endangered by ice.<br><br>10/04 |
| 14685   | <i>Collier Ledge Lighted Isolated Danger Buoy DCL</i> | 41 35 42 N<br>70 21 06 W | Fl (2) W 5s           |               |              | 3 Black and red bands with (2) black spherical topmarks. | Replaced by can when endangered by ice.<br><br>10/04 |
| <b>*</b>  |   |                          |                       |               |              |  |  |

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

| (1)<br>No. | (2)<br>Name and Location       | (3)<br>Position          | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure            | (8)<br>Remarks |
|------------|--------------------------------|--------------------------|-----------------------|---------------|--------------|-----------------------------|----------------|
| 1270       | - Lighted Buoy 1               |                          | Fl G 2.5s             |               | 3            | Green.                      |                |
|            |                                |                          |                       | *             |              |                             | 10/04          |
| 1275       | - Lighted Buoy 2               |                          | Fl R 2.5s             |               | 3            | Red.                        |                |
|            |                                |                          |                       | *             |              |                             | 10/04          |
| 10965      | SUNSET CREEK JUNCTION LIGHT SC | 37 01 03 N<br>76 20 29 W | Fl (2+1) G 6s         | 15            | 3            | JG on multi-pile structure. |                |
| <b>*</b>   |                                |                          |                       |               |              |                             |                |

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

| (1)<br>No.   | (2)<br>Name and Location                     | (3)<br>Position          | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure                                      | (8)<br>Remarks                                  |
|--|--|--------------------------|-----------------------|---------------|--------------|---|---|
| 10970  | Sunset Creek Daybeacon 1                     |                          |                       |               |              |   | <i>Remove from list.</i>                        |
|  |  |                          |                       |               |              |   | *   |
|  |  |                          |                       |               |              |   | 10/04   |
| 12865  | - Daybeacon 5                                |                          |                       |               | SG on pile.  |   | Private aid.                                    |
|  | *  | *                        | *                     | *             |              |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 24755  | - LIGHT 13                                   | 38 33 00 N<br>76 13 06 W | Fl G 2.5s             | 15            | 4            | SG on multi-pile structure.                           | Light equipment removed from Dec. 1 to Mar. 15. |
|  | *  |                          |                       |               |              |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 24840  | COOK POINT COVE LIGHT 2                      | 38 37 28 N<br>76 16 10 W | Fl R 2.5s             | 15            | 3            | TR on pile.   | Light equipment removed from Dec. 1 to Mar. 15. |
|  | *  |                          |                       |               |              |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 29805  | - CHANNEL LIGHT 23                           |                          | Q G                   | 15            | 3            | SG on pile.   |   |
|  |  |                          |                       |               | *            |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 29835  | - CHANNEL LIGHT 31                           |                          | Fl G 4s               | 15            | 4            | SG on pile.   |   |
|  |  |                          |                       |               | *            |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 31810  | - LIGHT 9                                    |                          | Fl G 4s               | 16            | 5            | SG on pile.   |   |
|  |  |                          |                       |               | *            |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| <b>*Delete Headings:</b>                                     |  |                          |                       |               |              |   |   |
| <b>*BEAUFORT INLET AND SOUTHERN CORE SOUND (Chart 11545)</b> |  |                          |                       |               |              |   |   |
| <b>*Core Sound</b>   |  |                          |                       |               |              |   |   |
| 34490  | ATLANTIC ENTRANCE LIGHT<br>On edge of shoal. |                          |                       |               |              |   | <i>Remove from list.</i>                        |
|  |  |                          |                       |               |              |   | *   |
|  |  |                          |                       |               |              |   | 10/04   |
| <b>*Add Headings:</b>  |  |                          |                       |               |              |   |   |
| <b>*BEAUFORT INLET AND SOUTHERN CORE SOUND (Chart 11545)</b> |  |                          |                       |               |              |   |   |
| <b>*Core Sound</b>   |  |                          |                       |               |              |   |   |
| 34495  | Atlantic Channel<br>Daybeacon 1              |                          |                       |               | SG on pile.  |   |   |
|  |  |                          |                       |               |              |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 34575  | - LIGHT 29                                   |                          | Fl G 4s               | 15            | 4            | SG on pile.   |   |
|  |  |                          |                       |               | *            |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 34725  | - LIGHT 56                                   |                          | Fl R 4s               | 15            | 3            | TR on pile.   |   |
|  |  |                          |                       |               | *            |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 34770  | - WARNING LIGHT                              |                          | Fl Y 4s               | 15            | 5            | NW on pile worded DANGER<br>SUBMERGED<br>OBSTRUCTION. |   |
|  |  |                          |                       |               | *            |   |   |
|  |  |                          |                       |               |              |   | 10/04   |
| 36395  | - LIGHT 377                                  | 39 06 26 N<br>74 44 43 W | Fl G 4s               | 15            | 4            | SG-SY on pile.  |   |
|  | *  |                          |                       |               | *            |   |   |
|  |  |                          |                       |               |              |   | 10/04   |

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Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

| (1)<br>No. | (2)<br>Name and Location | (3)<br>Position          | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure                 | (8)<br>Remarks |
|------------|--------------------------|--------------------------|-----------------------|---------------|--------------|----------------------------------|----------------|
| 36400      | - LIGHT 378              | 39 06 03 N<br>74 45 00 W | Fl R 4s               | 17            | 4            | TR-TY on pile.                   |                |
|            |                          | *                        |                       | *             |              |                                  | 10/04          |
| 36420      | - LIGHT 383              |                          | Fl G 2.5s             | 15            | 4            | SG-SY on pile.                   |                |
|            |                          |                          |                       | *             |              |                                  | 10/04          |
| 36450      | - LIGHT 392              |                          | Fl R 4s               | 15            | 4            | TR-TY on pile.                   |                |
|            |                          |                          |                       | *             |              |                                  | 10/04          |
| 37680      | - LIGHT 135              |                          | Fl G 4s               | 16            | 4            | SG-SY on slatted pile structure. |                |
|            |                          |                          |                       | *             |              |                                  | 10/04          |
| 37842      | - LIGHT 5                |                          | Fl G 4s               | 15            | 4            | SG-SY on pile.                   |                |
|            |                          |                          |                       | *             |              |                                  | 10/04          |

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

| (1)<br>No. | (2)<br>Name and Location         | (3)<br>Position          | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure | (8)<br>Remarks |
|------------|----------------------------------|--------------------------|-----------------------|---------------|--------------|------------------|----------------|
| *13533     | Duck Key Channel Daybeacon<br>1  | 24 45 46 N<br>80 55 27 W |                       |               |              | SG on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |
| *13537     | Duck Key Channel Daybeacon<br>3  |                          |                       |               |              | SG on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |
| *13540.1   | Duck Key Channel Daybeacon<br>5  |                          |                       |               |              | SG on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |
| *13540.11  | Duck Key Channel Daybeacon<br>16 |                          |                       |               |              | TR on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |
| *13540.2   | Duck Key Channel Daybeacon<br>6  |                          |                       |               |              | TR on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |
| *13540.3   | Duck Key Channel Daybeacon<br>7  |                          |                       |               |              | SG on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |
| *13540.4   | Duck Key Channel Daybeacon<br>8  |                          |                       |               |              | TR on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |
| *13540.5   | Duck Key Channel Daybeacon<br>10 |                          |                       |               |              | TR on pile.      | Private aid.   |
|            |                                  |                          |                       |               |              |                  | 10/04          |

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

| (1)<br>No.                                   | (2)<br>Name and Location         | (3)<br>Position              | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range        | (7)<br>Structure  | (8)<br>Remarks |
|--|----------------------------------|------------------------------|-----------------------|---------------|---------------------|---|----------------|
| *13540.6                                     | Duck Key Channel Daybeacon<br>11 |                              |                       |               | SG on pile.         | Private aid.  |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| *13540.7                                     | Duck Key Channel Daybeacon<br>12 |                              |                       |               | TR on pile.         | Private aid.  |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| *13540.9                                     | Duck Key Channel Daybeacon<br>14 |                              |                       |               | TR on pile.         | Private aid.  |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| <b>*Delete Heading:<br/>*MacDill Channel</b> |                                  |                              |                       |               |                     |   |                |
| 23370  | - Daybeacon 5                    |                              |                       |               |                     | <i>Remove from list.</i>                                      |                |
|  |                                  |                              |                       |               |                     |   | *              |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| <b>*Add Heading:<br/>*MacDill Channel</b>    |                                  |                              |                       |               |                     |   |                |
| 23375  | - Daybeacon 6                    |                              |                       |               | TR on pile.         |   |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| 38440  | - LIGHT 17                       |                              | <b>F I G 4s</b>       | 16            | 3 SG-SY on dolphin. |   |                |
|  |                                  |                              |                       |               | *                   |   |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| 43240  | - LIGHT 7                        | 28 04 30 N Q G<br>80 35 54 W |                       | 12            | 3 SG on pile.       | Higher intensity down channel.<br>Obscured from 143° to 326°. |                |
|  |                                  |                              |                       |               | *                   |   |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| 45940  | - LIGHT 4                        |                              | <b>F I R 2.5s</b>     | 13            | 2 TR-TY on pile.    |   |                |
|  |                                  |                              |                       |               | *                   |   |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| <b>Lemon Bay Channel</b>                     |                                  |                              |                       |               |                     |   |                |
| 57360  | - LIGHT 24                       |                              | <b>F I R 6s</b>       | 16            | 4 TR-TY on pile.    |   |                |
|  |                                  |                              |                       |               | *                   |   |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| 57695  | - LIGHT 5                        | 27 06 18 N Q G<br>82 26 48 W |                       | 16            | 3 SG-SY on pile.    |   |                |
|  |                                  |                              |                       |               | *                   |   |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |
| 57760  | - LIGHT 13                       |                              | <b>Q G</b>            | 16            | 3 SG-SY on pile.    |   |                |
|  |                                  |                              |                       |               | *                   |   |                |
|  |                                  |                              |                       |               |                     |   | 10/04          |

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

| (1)<br>No.   | (2)<br>Name and Location                                | (3)<br>Position          | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure          | (8)<br>Remarks  |
|--|---|--------------------------|-----------------------|---------------|--------------|---------------------------|---|
| *995   | Tarpon 100-2 Lighted Buoy<br>Marks Subsea Installation. | 28 03 02 N<br>93 19 10 W | Fl W 2.5s             | 10            |              | White with orange bands.  | SIGN: TARPON-WC-616-6&7.<br>Private aid.<br><br>10/04 |
| *24066   | BAYTOWN BEND TOWER<br>OBSTRUCTION LIGHT A               | 29 43 40 N<br>95 01 41 W | Q W                   | 11            |              | On base of lattice tower. | Private aid.<br><br>10/04                             |
| *24072   | BAYTOWN BEND TOWER<br>OBSTRUCTION LIGHT C               | 29 43 52 N<br>95 01 35 W | Q W                   | 12            |              | On base of lattice tower. | Private aid.<br><br>10/04                             |
| *24074   | BAYTOWN BEND TOWER<br>OBSTRUCTION LIGHT D               | 29 43 51 N<br>95 01 29 W | Q W                   | 12            |              | On base of lattice tower. | Private aid.<br><br>10/04                             |
| <b>*Add Heading:<br/>*Harborwalk Entrance East</b> |   |                          |                       |               |              |                           |   |
| *34977   | - Daybeacon 1   | 29 17 06 N<br>94 57 31 W |                       | 10            |              | SG on pile.               | Private aid.<br><br>10/04                             |
| *34977.01  | - Daybeacon 2   | 29 17 06 N<br>94 57 29 W |                       | 10            |              | TR on pile.               | Private aid.<br><br>10/04                             |
| *34977.02  | - Daybeacon 3   | 29 17 09 N<br>94 57 31 W |                       | 10            |              | SG on pile.               | Private aid.<br><br>10/04                             |
| *34977.03  | - Daybeacon 4   | 29 17 09 N<br>94 57 29 W |                       | 10            |              | TR on pile.               | Private aid.<br><br>10/04                             |
| *34977.04  | - Daybeacon 5   | 29 17 11 N<br>94 57 30 W |                       | 10            |              | SG on pile.               | Private aid.<br><br>10/04                             |
| *34977.05  | - Daybeacon 6   | 29 17 12 N<br>94 57 30 W |                       | 10            |              | TR on pile.               | Private aid.<br><br>10/04                             |
| *34977.06  | - Daybeacon 7   | 29 17 14 N<br>94 57 32 W |                       | 10            |              | SG on pile.               | Private aid.<br><br>10/04                             |
| *34977.07  | - Daybeacon 8   | 29 17 14 N<br>94 57 30 W |                       | 10            |              | TR on pile.               | Private aid.<br><br>10/04                             |
| *34977.08  | - Daybeacon 9   | 29 17 17 N<br>94 57 32 W |                       | 10            |              | SG on pile.               | Private aid.<br><br>10/04                             |
| *34977.09  | - Daybeacon 10  | 29 17 17 N<br>94 57 30 W |                       | 10            |              | TR on pile.               | Private aid.<br><br>10/04                             |

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

| (1)<br>No.   | (2)<br>Name and Location | (3)<br>Position                  | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure                  | (8)<br>Remarks   |
|--|--------------------------|----------------------------------|-----------------------|---------------|--------------|-----------------------------------|--|
| *34977.1   | - Daybeacon 11           | 29 17 21 N<br>94 57 32 W         |                       | 10            |              | SG on pile.                       | Private aid.<br><br>10/04  |
| *34977.11  | - Daybeacon 12           | 29 17 20 N<br>94 57 31 W         |                       | 10            |              | TR on pile.                       | Private aid.<br><br>10/04  |
| *34977.12  | - Daybeacon 13           | 29 17 22 N<br>94 57 31 W         |                       | 10            |              | SG on pile.                       | Private aid.<br><br>10/04  |
| <b>*Add Heading:<br/>*Galveston - Freeport</b>     |                          |                                  |                       |               |              |                                   |  |
| 34980  | - Buoy 60                |                                  |                       |               |              | Red nun with yellow triangle.     | 10/04  |
| <b>*Add Heading:<br/>*Harborwalk Entrance West</b> |                          |                                  |                       |               |              |                                   |  |
| *34987   | - Daybeacon 1            | 29 17 02 N<br>94 57 57 W         |                       | 10            |              | SG on pile.                       | Private aid.<br><br>10/04  |
| *34987.01  | - Daybeacon 2            | 29 17 03 N<br>94 57 56 W         |                       | 10            |              | TR on pile.                       | Private aid.<br><br>10/04  |
| *34987.02  | - Daybeacon 3            | 29 17 05 N<br>94 57 57 W         |                       | 10            |              | SG on pile.                       | Private aid.<br><br>10/04  |
| *34987.03  | - Daybeacon 4            | 29 17 05 N<br>94 57 56 W         |                       | 10            |              | TR on pile.                       | Private aid.<br><br>10/04  |
| *34987.04  | - Daybeacon 5            | 29 17 07 N<br>94 57 58 W         |                       | 10            |              | SG on pile.                       | Private aid.<br><br>10/04  |
| *34987.05  | - Daybeacon 6            | 29 17 08 N<br>94 57 57 W         |                       | 10            |              | TR on pile.                       | Private aid.<br><br>10/04  |
| *34987.06  | - Daybeacon 7            | 29 17 08 N<br>94 57 59 W         |                       | 10            |              | SG on pile.                       | Private aid.<br><br>10/04  |
| <b>*Add Heading:<br/>*Galveston - Freeport</b>     |                          |                                  |                       |               |              |                                   |  |
| 34990  | - Buoy 62                |                                  |                       |               |              | Red nun with yellow triangle.     | 10/04  |
| 40740<br>28350                                     | - RANGE C FRONT LIGHT    | 26 02 16 N Q G<br>97 12 43 W Q G |                       | 42<br>40      | 3            | KRW-I on skeleton tower on piles. | Visible all around; higher intensity on range line.<br><br>10/04 |
| *  |                          |                                  |                       |               |              |                                   |  |

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

| (1)<br>No.                    | (2)<br>Name and Location               | (3)<br>Position           | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure    | (8)<br>Remarks                                    |
|-------------------------------|--|---------------------------|-----------------------|---------------|--------------|---------------------|---|
| 285                           | Cypress Point Lighted<br>Gong Buoy 6   | 36 35 00 N<br>121 59 06 W | Fl R 2.5s             |               | 4            | Red.                |   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| 3615                          | - WEST JETTY LIGHT 3                   | 34 08 38 N<br>119 12 59 W | Fl G 2.5s             | 42            | 6            | SG on post.         |   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| 3655                          | - NORTH JETTY LIGHT 5                  | 34 09 35 N<br>119 14 03 W | Fl G 4s               | 39            | 6            | SG on post.         |   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| 3705                          | - NORTH JETTY LIGHT 7                  | 34 14 52 N<br>119 16 17 W | Fl G 4s               | 26            | 5            | SG on pole.         |   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| <b>Santa Barbara Harbor</b>   |  |                           |                       |               |              |                     |   |
| 3750                          | - BREAKWATER LIGHT                     | 34 24 17 N<br>119 41 16 W | Fl W 2.5s             | 35            | 9            | NG on white column. | HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| 6030                          | - ENTRANCE CHANNEL<br>LIGHT 12         | 38 05 51 N<br>122 26 54 W | Fl R 4s               | 10            | 3            | TR on pile.         | Ra ref.   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| 6105                          | - LIGHT 4                              | 38 04 25 N<br>122 14 39 W | Q R                   | 15            | 4            | TR on pile.         |   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| <b>Suisun Slough Entrance</b> |  |                           |                       |               |              |                     |   |
| 6345                          | - LIGHT 9                              | 38 06 29 N<br>122 03 22 W | Fl G 4s               | 15            | 3            | SG on pile.         | Ra ref.   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| 6440                          | - CHANNEL LIGHT 11                     | 38 03 51 N<br>122 03 45 W | Fl G 4s               | 16            | 3            | SG on pile.         | Ra ref.   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| *6742                         | - WR Buoy                              | 38 02 28 N<br>121 42 13 W | Fl W 2.5s             |               |              |                     |   |
|                               |  |                           |                       |               |              |                     | 10/04   |
| *14923                        | Terminal 4 Daybeacon 13                | 45 35 59 N<br>122 46 34 W |                       | 30            |              | SG on dolphin.      | Private aid.                                      |
|                               |  |                           |                       |               |              |                     | 10/04   |
| 15835                         | - Turning Basin<br>Daybeacon B         | 46 57 31 N<br>123 50 59 W |                       |               |              | NR on pile.         |   |
|                               | *                                      |                           |                       |               |              |                     | 10/04   |
| 15880                         | GRAYS HARBOR NORTH<br>CHANNEL LIGHT 55 | 46 57 47 N<br>123 49 41 W | Fl G 4s               | 15            | 4            | SG on dolphin.      |   |
|                               | *                                      |                           |                       |               | *            |                     | 10/04   |

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

| (1)<br>No.         | (2)<br>Name and Location                      | (3)<br>Position           | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure      | (8)<br>Remarks                     |
|--------------------|---|---------------------------|-----------------------|---------------|--------------|-----------------------|------------------------------------|
| 15885              | - HARBOR LIGHT 1                              | 46 58 26 N<br>123 48 23 W | Q G                   | 20            | 4            | SG on dolphin.        |                                    |
|                    |   | *                         |                       | *             |              |                       | 10/04                              |
| 15890              | - REACH RANGE L FRONT LIGHT                   | 46 58 29 N<br>123 48 17 W | Q R                   | 21            |              | KRB on dolphin.       | Visible 2° each side of rangeline. |
|                    |   | *                         |                       |               |              |                       | 10/04                              |
| *19911             | BIRCH BAY MOORING BASIN LIGHT 1               | 48 55 52 N<br>122 47 14 W | Fl G 4s               | 15            |              | SG on pile.           | Private aid.                       |
|                    |   |                           |                       |               |              |                       | 10/04                              |
| *19912             | BIRCH BAY MOORING BASIN LIGHT 2               | 48 55 53 N<br>122 47 13 W | Fl R 4s               | 15            |              | TR on pile.           | Private aid.                       |
|                    |   |                           |                       |               |              |                       | 10/04                              |
| *19913             | Birch Bay Mooring Basin Daybeacon 3           | 48 55 53 N<br>122 47 15 W |                       | 15            |              | SG on pile.           | Private aid.                       |
|                    |   |                           |                       |               |              |                       | 10/04                              |
| *19914             | Birch Bay Mooring Basin Daybeacon 4           | 48 55 53 N<br>122 47 14 W |                       | 15            |              | TR on pile.           | Private aid.                       |
|                    |   |                           |                       |               |              |                       | 10/04                              |
| 19969              | INTERNATIONAL BOUNDARY OBSTRUCTION LIGHT WEST | 49 00 07 N<br>123 06 44 W | Fl Y 4s               | 25            | 6            | Concrete structure.   |                                    |
|                    |   | *                         |                       | *             |              |                       | 10/04                              |
| 19980              | INTERNATIONAL BOUNDARY OBSTRUCTION LIGHT EAST | 49 00 06 N<br>123 01 12 W | Fl Y 4s               | 36            | 6            | On rectangular block. |                                    |
|                    |   | *                         |                       | *             |              |                       | 10/04                              |
| <b>Hilo Harbor</b> |   |                           |                       |               |              |                       |                                    |
| 28035              | - Entrance Lighted Buoy 1                     | 19 44 34 N<br>155 04 47 W | Fl G 2.5s             | 5             |              | Green.                |                                    |
|                    |   | *                         |                       |               |              |                       | 10/04                              |
| 29405              | - LIGHT 6                                     |                           | Fl R 4s               | 15            | 3            | TR on pile.           |                                    |
|                    |   |                           |                       | *             |              |                       | 10/04                              |

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## SECTION II

### SUMMARY OF CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

| (1)<br>No.   | (2)<br>Name and Location | (3)<br>Position            | (4)<br>Characteristic                    | (5)<br>Height | (6)<br>Range | (7)<br>Structure   | (8)<br>Remarks  |
|--|--------------------------|----------------------------|--|---------------|--------------|--|---|
| -Bay of Exploits:  |                          |                            |  |               |              |  |   |
| 1240 - Surgeon Cove.<br><i>H 0656</i>                                    |                          | 49° 31.0' N<br>55° 07.0' W | Fl.W.<br>period 5s<br>fl. 0.5s, ec. 4.5s | 242<br>74     |              | Round tower, red and white stripes; 14.                              |   |
|  | *                        |                            | *  |               | *            | *  | *   |
| 1940 - Branch, W. breakwater.<br><i>H 0433</i>                           |                          | 46° 53.0' N<br>53° 57.0' W | Oc.G.<br>period 6s<br>lt. 4s, ec. 2s     | 7<br>2        | 4            | Round mast; 6.   | Seasonal.<br><b>Whistle:</b> 1 bl. ev. 30s. In operation 0400-2200 (approx.) each day during foggy weather, later if required by fishermen. |
|  | *                        |                            | *  |               | *            | *  |   |
| 6/04   |                          |                            |  |               |              |  |   |
| ROSE BLANCHE HARBOR:   |                          |                            |  |               |              |  |   |
| 2420 - Cains Island.   |                          | 47° 36.1' N<br>58° 41.7' W | Fl.R.<br>period 6s                       |               | 3            | On top of fog horn; 8.   | <b>Horn:</b> 1 bl. ev. 60s. (bl. 4s, si. 56s).  |
| *  | *                        | *                          | *  | *             | *            | *  | *   |
| 3600 Pointe a l'Ilet East, on dolphin.<br><i>H 2143.82</i>               |                          |                            |  |               |              |  | Remove from list.   |
|  |                          |                            |  |               |              |  | *   |
| 5/04   |                          |                            |  |               |              |  |   |
| 3604 Pointe a l'Ilet.<br><i>H 2143.8</i>                                 |                          |                            |  |               |              |  | Remove from list.   |
|  |                          |                            |  |               |              |  | *   |
| 5/04   |                          |                            |  |               |              |  |   |
| *3640 - Monument Price Range, front.                                     |                          | 48° 25.8' N<br>71° 02.6' W | F.G.                                     | 53<br>16      | 6            | Skeleton tower, fluorescent orange daymark, black stripe; 55.        | Visible on range line only. Private light.  |
|  |                          |                            |  |               |              |  |   |
| 6/04   |                          |                            |  |               |              |  |   |
| *3640.1 - Rear, 118.4 meters 232°10' from front.                         |                          | 48° 25.7' N<br>71° 02.7' W | F.G.                                     | 79<br>24      | 16           | Skeleton tower, fluorescent orange daymark, black stripe; 11.        | Visible on range line only. Private light.  |
|  |                          |                            |  |               |              |  |   |
| 6/04   |                          |                            |  |               |              |  |   |
| 6528 Montmagny Range, front, S.<br><i>H 2250</i> government wharf, head. |                          | 46° 59.2' N<br>70° 33.2' W | F.R.                                     | 26<br>8       | 12           | Square skeleton tower, fluorescent orange daymark, black stripe; 20. | Visible on range line only.   |
|  |                          |                            |  |               | *            | *  | *   |
| 5/04   |                          |                            |  |               |              |  |   |
| 6532 - Rear, 92 meters 169°19' from front.<br><i>H 2250.1</i>            |                          | 46° 59.1' N<br>70° 33.2' W | F.R.                                     | 47<br>14      | 12           | Square skeleton tower, fluorescent orange daymark, black stripe; 25. |   |
|  |                          |                            |  |               | *            |  |   |
| 5/04   |                          |                            |  |               |              |  |   |
| 6544 Beaujeu Channel, E. side of Crane Island<br><i>H 2238</i>           |                          |                            |  |               |              |  | Remove from list.   |
|  |                          |                            |  |               |              |  | *   |
| 5/04   |                          |                            |  |               |              |  |   |

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## SECTION II

### SUMMARY OF CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

| (1)<br>No.                  | (2)<br>Name and Location                | (3)<br>Position            | (4)<br>Characteristic   | (5)<br>Height | (6)<br>Range | (7)<br>Structure                                       | (8)<br>Remarks    |
|-----------------------------|---|----------------------------|---|---------------|--------------|--|-------------------|
| 6600<br><i>H 2226</i>       | St. Jean Port Joli.                     | 47° 12.9' N<br>70° 16.5' W | Fl.G.<br>period 6s<br>fl. 1s, ec. 5s  | 20<br>6       | 6            | Red and white square tower; 16. Seasonal.              |                   |
|                             |   |                            |   | *             | *            | *  | *                 |
| 8576<br><i>H 1272</i>       | Caribou Point.                          | 45° 45.9' N<br>62° 40.9' W | Fl.(3)W.<br>period 20s<br>fl. 1s, ec. 1s<br>fl. 1s, ec. 1s<br>fl. 1s, ec. 15s | 44<br>13      | 9            | White square tower, red upper portion; 41.             | Emergency light.  |
|                             |   |                            |   | *             | *            | *  |                   |
| 14928<br><i>J 5700</i>      | -Isla de Aves (V).                      |                            |   |               |              |  | Remove from list. |
|                             |   |                            |   |               |              |  | *                 |
| 15122.1<br><i>J 5812.56</i> | --Rear, 190 meters 088° from front.     | 13° 06.5' N<br>59° 37.6' W | Oc.G.<br>period 4.5s<br>lt. 3s, ec. 1.5s                                      |               |              | Mast, red and yellow stripes.                          |                   |
|                             |   |                            |   | *             |              |  | 10/04             |
| 15124<br><i>J 5812</i>      | -Container Berth.                       | 13° 06.4' N<br>59° 37.8' W | Fl.G.<br>period 4s  | 26<br>8       | 6            | Red beacon, yellow triangular daymark, point down; 36. |                   |
|                             |   |                            |   | *             |              |  | 10/04             |
| 15125<br><i>J 5812.5</i>    | -Bulk Facility.                         | 13° 06.6' N<br>59° 37.8' W | Q.G.  | 29<br>9       |              | Red metal mast; 13.                                    |                   |
|                             |   |                            |   | *             |              |  | 10/04             |
| *15161<br><i>J 5830.3</i>   | -Prickly Point.                         | 11° 59.3' N<br>61° 45.6' W | F.R.  |               |              | Structure.   | Private light.    |
|                             |   |                            |   |               |              |  | 8/04              |
| 15392<br><i>J 4286</i>      | -Range, front.                          | 19° 12.0' N<br>96° 07.5' W | Fl.W.<br>period 3s<br>fl. 1s, ec. 2s  | 79<br>24      | 2            | White concrete tower; 79.                              |                   |
|                             |   |                            |   | *             | *            | *  |                   |
| 15392.1<br><i>J 4286.1</i>  | --Rear, 1050 meters 263°14' from front. | 19° 11.9' N<br>96° 08.2' W | Iso.W.<br>period 2s   | 98<br>30      | 2            | Pedestal on hotel.                                     |                   |
|                             |   |                            |   | *             | *            |  | 8/04              |
| *15395                      | -Inner harbor.                          | 19° 12.2' N<br>96° 08.3' W | Iso.W.<br>period 2s   | 131<br>40     | 7            | Metal tower.   |                   |
|                             |   |                            |   |               |              |  | 7/04              |
| *16851<br><i>J 5700</i>     | Isla Aves.                              | 15° 40.5' N<br>63° 38.0' W | Fl.W.<br>period 5s<br>fl. 1s, ec. 4s  | 62<br>19      | 11           | Metal structure.                                       |                   |
| -RACON                      | A(- -)                                  |                            |   |               | 14           |  |                   |
|                             |   |                            |   |               |              |  | 8/04              |

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## SECTION II

### SUMMARY OF CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

| (1)<br>No.                                 | (2)<br>Name and Location | (3)<br>Position            | (4)<br>Characteristic  | (5)<br>Height | (6)<br>Range | (7)<br>Structure                                    | (8)<br>Remarks         |
|--|--------------------------|----------------------------|--|---------------|--------------|---|------------------------|
| 16879.7 - -Guaranao.<br><i>J 6299</i>      |                          | 11° 40.0' N<br>70° 12.8' W | Fl.(2)R.G.<br>period 12s<br>fl. 1.5s, ec. 2s<br>fl. 1.5s, ec. 7s   | 117<br>36     | 11           | Orange hexagonal fiberglass tower, white band; 33.  | G. 040°-050°, R.-040°. |
|  |                          |                            |  |               | *            |   | 6/04                   |
| 17024 -Cerro Walker.<br><i>J 6426</i>      |                          | 11° 48.9' N<br>66° 11.0' W | Fl.W.<br>period 5s<br>fl. 1s, ec. 4s                               | 518<br>158    | 19           | White hexagonal fiberglass tower, orange bands; 20. |                        |
| RACON                                      |                          |                            | 0(--)  |               | *            |   | 6/04                   |
| *18033 - -Barra da Penha.<br><i>G 0336</i> |                          | 12° 58.9' S<br>38° 36.4' W | Q.W.   | 26<br>8       | 3            |   | 9/04                   |
| 18331 Guaxindiba.<br><i>G 0336</i>         |                          | 21° 27.9' S<br>41° 02.6' W | Fl.(2)W.<br>period 10s<br>fl. 0.5s, ec. 1.5s<br>fl. 0.5s, ec. 7.5s | 75<br>23      | 15           | White round fiberglass tower, black bands.          |                        |
|  |                          |                            | *  | *             |              |   | 9/04                   |

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

| (1)<br>No.  | (2)<br>Name and Location | (3)<br>Position             | (4)<br>Characteristic  | (5)<br>Height | (6)<br>Range      | (7)<br>Structure              | (8)<br>Remarks         |
|---|--------------------------|-----------------------------|--|---------------|-------------------|-------------------------------|------------------------|
| *2405 -Bahia Catalina, N.<br><i>G 1435.3</i>                    |                          | 53° 05.8' S<br>70° 52.3' W  | Fl.R.<br>period 5s   | 20<br>6       | 3                 | Beacon.                       | 10/04                  |
| *2406 - -S.<br><i>G 1435.31</i>                                 |                          | 53° 05.9' S<br>70° 52.3' W  | Fl.G.<br>period 3s   | 10<br>3       | 2                 | Beacon.                       | 10/04                  |
| 9836 Howick Island.<br><i>K 3220</i>                            |                          | 14° 29.4' S<br>144° 58.7' E | Fl.(3)W.G.<br>period 12s<br>fl. 0.5s, ec. 1.5s<br>fl. 0.5s, ec. 1.5s<br>fl. 0.5s, ec. 7.5s | 23<br>7       | W. 10<br>G. 7 20. | White hut on concrete column; | G. 090°-100°, W.-090°. |
|   |                          |                             | *  | *             |                   |                               | 10/04                  |
| 13656 - -Sidney ferry wharf range,<br><i>G 5344.4</i> front.    |                          |                             |  |               |                   | Remove from list.             |                        |
|   |                          |                             |  |               | *                 |                               | 10/04                  |
| 13660 --Rear, 2.7 meters 314°42'<br><i>G 5344.5</i> from front. |                          |                             |  |               |                   | Remove from list.             |                        |
|   |                          |                             |  |               | *                 |                               | 10/04                  |

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
 Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

| (1)<br>No.             | (2)<br>Name and Location | (3)<br>Position            | (4)<br>Characteristic         | (5)<br>Height | (6)<br>Range | (7)<br>Structure   | (8)<br>Remarks                   |
|------------------------|--------------------------|----------------------------|-------------------------------|---------------|--------------|--|----------------------------------|
| 21204<br><i>F 1739</i> | -Tg. Chek Jawa.          | 1° 24.5' N<br>103° 59.5' E | Fl.W.<br>period 5s            | 89<br>27      | 10           | White triangular daymark, point<br>down, white concrete base;<br>20. | Visible 309°-314°.<br>*<br>10/04 |
| 29710                  | <i>Sirrah Buoy</i>       | 26° 10.2' N<br>50° 42.9' E | V.Q.(6)+L.FI.W.<br>period 10s |               |              | S. CARDINAL<br>YB, pillar, topmark.                                  |                                  |
|                        | RACON                    |                            | X(- - -)                      |               |              | (3 & 10cm)   |                                  |
|                        |                          | *                          |                               |               |              |  | 10/04                            |

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

| (1)<br>No.               | (2)<br>Name and Location                          | (3)<br>Position           | (4)<br>Characteristic   | (5)<br>Height | (6)<br>Range | (7)<br>Structure                                | (8)<br>Remarks   |
|--------------------------|---|---------------------------|---|---------------|--------------|---|--|
| 2664<br><i>D 1742</i>    | Cabo Finisterre.                                  | 42° 52.9' N<br>9° 16.3' W | Fl.W.<br>period 5s<br>fl. 0.3s, ec. 4.7s  | 469<br>143    | 23           | Octagonal granite tower,<br>dwelling; 56.       | Obscured when bearing greater<br>than 149°.<br><b>Siren:</b> 2 bl. ev. 60s (bl. 2s, si. 6s,<br>bl. 2s, si. 50s). |
|                          | RACON   |                           | O(-- -)   |               | 35           |   | (3 & 10cm)   |
|                          |   | *                         |   |               |              |   | *  |
| 3029<br><i>D 1902.6</i>  | --Breakwater, head.                               | 42° 16.9' N<br>8° 43.2' W | Fl.(2)R.<br>period 7s<br>fl. 0.5s, ec. 1.5s<br>fl. 0.5s, ec. 4.5s                       | 23<br>7       | 5            | Red column; 13.                                 |  |
|                          |   | *                         |   | *             | *            |   | 10/04  |
| 3040<br><i>D 1911</i>    | -Cabezo de San Juan (Pego<br>Shoal) Range, front. | 42° 08.2' N<br>8° 50.2' W | Fl.W.<br>period 6s<br>fl. 0.5s, ec. 5.5s  | 30<br>9       | 10           | White truncated conical tower.                  |  |
|                          |   | *                         |   | *             | *            |   | *  |
| 3044<br><i>D 1911.1</i>  | -Panjon, rear, 2 km. 084° from<br>front.          | 42° 08.1' N<br>8° 49.0' W | Oc.W.<br>period 4s<br>lt. 3s, ec. 1s  | 62<br>19      | 9            | White truncated tower on<br>octagonal base; 29. |  |
|                          |   | *                         |   | *             | *            |   | *  |
| 3048<br><i>D 1914</i>    | -Panjon, mole, head.                              | 42° 08.5' N<br>8° 49.5' W | Fl.(3)R.<br>period 9s<br>fl. 0.5s, ec. 1.5s<br>fl. 0.5s, ec. 1.5s<br>fl. 0.5s, ec. 4.5s | 39<br>12      | 5            | Red masonry tower; 23.                          |  |
|                          |   | *                         |   | *             | *            |   | 10/04  |
| 10823<br><i>E 2203.4</i> | -Secca Dell Arco.                                 |                           |   |               |              | Remove from list.                               |  |
|                          |   | *                         |   |               |              |   | 10/04  |

### CORRECTIONS TO PUB 113, RADIOBEACONS, 2003 EDITION

| (1)<br>No. | (2)<br>Name                   | (3)<br>Position | (4)<br>Characteristic | (5)<br>Range | (6)<br>Sequence | (7)<br>Frequency  | (8)<br>Remarks |
|------------|-------------------------------|-----------------|-----------------------|--------------|-----------------|-------------------|----------------|
| 220        | Cabo Finisterre Light Station |                 |                       |              |                 | Remove from list. | *              |
|            |                               |                 |                       |              |                 |                   | 10/04          |

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 113, RADIOBEACONS, 2003 EDITION

| (1)<br>No. | (2)<br>Name                | (3)<br>Position | (4)<br>Characteristic | (5)<br>Range | (6)<br>Sequence | (7)<br>Frequency | (8)<br>Remarks                   |
|------------|----------------------------|-----------------|-----------------------|--------------|-----------------|------------------|----------------------------------|
| 240        | Cabo Sillero Light Station |                 |                       |              |                 |                  | Remove from list.<br><br>* 10/04 |

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

| (1)<br>No.      | (2)<br>Name and Location                         | (3)<br>Position            | (4)<br>Characteristic                    | (5)<br>Height | (6)<br>Range          | (7)<br>Structure     | (8)<br>Remarks   |
|-----------------|--|----------------------------|--|---------------|-----------------------|----------------------|--|
| 396<br>B 2364   | -Kaholmen, N. island, E. side.                   | 59° 40.7' N<br>10° 36.7' E | Oc.W.R.G.<br>period 6s                   | 26<br>8       | W. 10<br>R. 9<br>G. 8 | White lantern.       | G. 162°-163°, W.-167°, R.-264°,<br>G.-336°, W.-348°, R.-355°.  |
| 405<br>B 2375   | -Torskekrakken.                                  | 59° 42.3' N<br>10° 35.1' E | Fl.G.<br>period 5s                       | 23<br>7       | 3                     | Lantern on post.     |  |
| 406<br>B 2375.5 | -Galteryggen.                                    |                            |  | *             | *                     |                      | Remove from list.<br><br>* 10/04   |
| 407<br>B 2375.6 | -Askholmgrunnen.                                 |                            |  | *             | *                     |                      | Remove from list.<br><br>* 10/04   |
| 414<br>B 2373   | -Batsto.   | 59° 41.7' N<br>10° 36.3' E | Fl.W.<br>period 3s<br>fl. 0.3s, ec. 2.7s | 18<br>5       | 4                     | Lantern on post.     |  |
| 420<br>B 2379   | -Nordre Sundbyholmen.                            | 59° 43.6' N<br>10° 32.2' E | Oc.(3)W.R.G.<br>period 10s               | 33<br>10      | W. 11<br>R. 9<br>G. 8 | Column.              | R. 143°-182°, G.-196°, W.-<br>200°30', R.-221°, G.-283°,<br>W.-285°, R.-308°30', G.-<br>342°30', W.-348°, R.-014°30',<br>G.-143°.              |
| 432<br>B 2388   | -Spro, W. point.                                 | 59° 45.8' N<br>10° 35.0' E | Oc.(3)W.R.G.<br>period 10s               | 13<br>4       | W. 9<br>R. 9<br>G. 8  | Framework structure. | R. 001°-009°, W.-022°, G.-109°,<br>R.-119°, W.-123°, G.-127°,<br>W.-170°, R.-174°, W.-179°,<br>G.-182°, W.-185°, R.-191°,<br>G.-195°, R.-205°. |
| 444<br>B 2394   | --Islet, NE. point.                              | 59° 49.1' N<br>10° 36.0' E | Oc.(2)W.R.G.<br>period 8s                | 10<br>3       | W. 9<br>R. 8<br>G. 6  |                      |  |
| 454<br>B 2397.1 | --Bronnoya, rear, 950 meters<br>343° from front. | 59° 51.9' N<br>10° 33.4' E | Fl.R.<br>period 3s<br>fl. 1s, ec. 2s     | 23<br>7       | 3                     | Lantern on post.     | Private light.<br><br>* 10/04  |

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## SECTION II

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

| (1)<br>No.                               | (2)<br>Name and Location | (3)<br>Position            | (4)<br>Characteristic   | (5)<br>Height | (6)<br>Range            | (7)<br>Structure                      | (8)<br>Remarks   |
|--|--------------------------|----------------------------|-------------------------|---------------|-------------------------|---------------------------------------|--|
| 472 -Nesodden.<br><i>B 2404</i>          |                          | 59° 52.3' N<br>10° 39.5' E | Oc.W.R.G.<br>period 6s  | 10<br>3       | W. 6<br>R. 4<br>G. 4    | White lantern on tripod.              | G. 028°-032°, W.-037°, R.-042°,<br>W.-045°, G.-050°, W.-056°,<br>R.-171°, W.-216°, R.-228°,<br>W.-244°, G.-259°, W.-261°30',<br>R.-271°.                                   |
|  |                          |                            |                         |               | *                       | *                                     | 10/04  |
| 4268 Rongevaersund.<br><i>B 4232</i>     |                          | 60° 49.4' N<br>4° 47.7' E  | Iso.W.R.G.<br>period 4s | 33<br>10      |                         | White lantern.                        | R. 133°-151°, W.-173°, G.-<br>358°30', R.-020°.  |
|  |                          |                            |                         |               | *                       | *                                     | 10/04  |
| 4272 Teistholmen.<br><i>B 4234</i>       |                          | 60° 48.8' N<br>4° 46.6' E  | Iso.W.R.G.<br>period 2s | 23<br>7       |                         | White lantern on wooden<br>structure. | R. 253°30'-265°30', W.-287°,<br>G.-028°30', W.-072°, R.-090°,<br>W.-092°, G.-109°.   |
|  |                          |                            |                         |               | *                       | *                                     | 10/04  |
| 4276 Vetejograskjaeret.<br><i>B 4236</i> |                          | 60° 49.1' N<br>4° 45.3' E  | Iso.W.R.G.<br>period 6s | 43<br>13      |                         | White lantern on tripod.              | W. 340°-002°30', R.-084°, W.-<br>087°30', G.-104°30', W.-107°,<br>R.-119°, W.-124°30', G.-155°,<br>W.-176°, R.-190°30', W.-193°,<br>G.-203°, W.-222°, R.-312°,<br>G.-340°. |
|  |                          |                            |                         |               | *                       | *                                     | *  |
| 4280 Grimeskjaeret.<br><i>B 4237</i>     |                          | 60° 50.9' N<br>4° 45.3' E  | Fl.W.R.G.<br>period 5s  | 50<br>15      | W. 12<br>R. 10<br>G. 10 | Lantern; 46.                          | G. 203°-267°, W.-275°, R.-320°,<br>G.-010°, W.-032°, R.-090°,<br>W.-103°, G.-128°, W.-136°30',<br>R.-203°.   |
| RACON                                    |                          |                            | G(--)<br>period 30s     |               |                         |                                       | *  |
|  |                          |                            |                         | *             |                         | *                                     | 10/04  |
| 4288 -Brosmeskjaerene.<br><i>B 4240</i>  |                          | 60° 52.4' N<br>4° 46.4' E  | V.Q.(3)W.<br>period 5s  | 19<br>6       | 6                       | Lantern on tripod.                    |  |
|  |                          |                            |                         | *             |                         | *                                     | 10/04  |
| 4296 -Hillesoyflu.<br><i>B 4241.5</i>    |                          | 60° 51.3' N<br>4° 51.3' E  | Fl.R.<br>period 3s      | 29<br>9       | 8                       | Lantern on tripod; 43.                |  |
|  |                          |                            |                         | *             |                         | *                                     | 10/04  |
| SOGNESJOEN:                              |                          |                            |                         |               |                         |                                       |  |
| 4304 -Lage Islendingen.<br><i>B 4247</i> |                          | 60° 50.3' N<br>4° 54.1' E  | Iso.G.<br>period 4s     | 16<br>5       | 8                       | Post.                                 |  |
|  |                          |                            |                         | *             | *                       | *                                     | 10/04  |
| 4356 -Terneholmen.<br><i>B 4255.6</i>    |                          | 60° 49.1' N<br>5° 00.9' E  | Oc.W.<br>period 6s      | 13<br>4       | 6                       | Post.                                 | Private light.   |
|  |                          |                            |                         | *             |                         | *                                     | *  |
| -Norddalsfjord:                          |                          |                            |                         |               |                         |                                       |  |
| 5720 -Uksneset.<br><i>L 0634</i>         |                          | 62° 17.0' N<br>7° 01.0' E  | Oc.W.R.G.<br>period 6s  | 20<br>6       | W. 6<br>R. 4<br>G. 4    | Lantern on concrete base.             | R. 104°-131°, G.-145°, W.-152°,<br>R.-273°, W.-276°, G.-342°.  |
|  |                          |                            |                         | *             |                         | *                                     | 10/04  |

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## SECTION II

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

| (1)<br>No.   | (2)<br>Name and Location  | (3)<br>Position            | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range            | (7)<br>Structure                            | (8)<br>Remarks   |
|--|---------------------------|----------------------------|-----------------------|---------------|-------------------------|---|--|
| 6860 -Kalvoy.<br><i>L 1111</i>                             | 63° 18.9' N<br>8° 31.0' E | Fl.G.<br>period 3s         |                       | 10<br>3       | 3                       | Metal column.                               |  |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 6864 -Glomstadholmen, Torsetsund.<br><i>L 1112</i>         | 63° 19.1' N<br>8° 37.8' E | Oc.(2)W.R.G.<br>period 8s  |                       | 16<br>5       | W. 5<br>R. 3<br>G. 3    | Lantern on piles.                           | R. 063°-074°, W.-077°30', G.-246°, W.-249°, R.-270°.   |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 6868 -Lilleoy, Arvagfjorden.<br><i>L 1113</i>              | 63° 20.2' N<br>8° 43.3' E | Fl.G.<br>period 3s         |                       | 13<br>4       | 3                       | Lantern on pedestal.                        |  |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 7004 -Graskjaeret, Ertvagoy, SW.<br>side.<br><i>L 1150</i> | 63° 15.7' N<br>8° 13.5' E | Oc.(2)W.R.G.<br>period 8s  |                       | 18<br>5       | W. 6<br>R. 4<br>G. 4    | White hut on concrete base; 20.             | G. 188°-211°, W.-227°, R.-287°30', W.-290°, G.-356°, W.-003°, R.-012°30'.  |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| TRONDSHEIMSLEIA:   |                           |                            |                       |               |                         |   |  |
| 7028 -Vaeroyene, islet, S. point..<br><i>L 1162</i>        | 63° 24.7' N<br>8° 27.5' E | Iso.W.R.G.<br>period 6s    |                       | 13<br>4       | W. 5<br>R. 3<br>G. 3    | Lantern on concrete base.                   | W. 256°-267°, R.-284°30', W.-287°, G.-348°30', R.-034°, W.-048°30', G.-065°, W.-078°, R.-079°, W.-086°, G.-097°. |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 7040 -Supaoddnen, Laksavik.<br><i>L 1167</i>               | 63° 28.0' N<br>8° 41.6' E | Fl.G.<br>period 3s         |                       | 13<br>4       | 3                       | Metal column.                               |  |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 7044 -Kjorsvikbogen.<br><i>L 1166</i>                      | 63° 24.9' N<br>8° 43.4' E | Oc.W.R.G.<br>period 6s     |                       | 10<br>3       | W. 5<br>R. 3<br>G. 3    | Lantern on concrete base.                   | R. 103°-142°, W.-157°, G.-224°, R.-305°, G.-333°.  |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 7048 -Mageroy, on Ringberget.<br><i>L 1168</i>             | 63° 27.0' N<br>8° 59.9' E | Iso.W.R.G.<br>period 6s    |                       | 15<br>5       | W. 4<br>R. 3<br>G. 2    | Small hut.                                  | R. 048°-138°, G.-156°, W.-167°, R.-174°.   |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 7052 -Terningen.<br><i>L 1170</i>                          | 63° 29.7' N<br>9° 02.5' E | Oc.W.R.G.<br>period 6s     |                       | 59<br>18      | W. 13<br>R. 13<br>G. 12 | White square cement tower, red lantern; 39. | R. 238°-243°, W.-247°, G.-255°, R.-326°, W.-330°, G.-059°, R.-065°, W.-071°30', G.-074°, R.-082°.                |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 7620 -Pintilen, on rock awash.<br><i>L 1374.4</i>          | 63° 23.0' N<br>8° 14.0' E | Iso.W.R.G.<br>period 6s    |                       | 16<br>5       | W. 6<br>R. 4<br>G. 4    | White lantern on concrete base.             | R. 086°-099°30', W.-107°, G.-260°, W.-273°, R.-283°, W.-291°, G.-297°30', W.-313°, R.-351°.                      |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |
| 7656 -Ramsoysund.<br><i>L 1159</i>                         | 63° 25.7' N<br>8° 20.3' E | Oc.(3)W.R.G.<br>period 12s |                       | 17<br>5       | W. 4<br>R. 3<br>G. 2    | Lantern on concrete base.                   | G. 280°-306°, W.-326°, R.-333°, W.-346°, G.-117°, R.-135°.   |
|  | *                         |                            | *                     | *             | *                       | *   | 10/04  |

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## SECTION II

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

| (1)<br>No.  | (2)<br>Name and Location | (3)<br>Position            | (4)<br>Characteristic      | (5)<br>Height | (6)<br>Range            | (7)<br>Structure                      | (8)<br>Remarks   |
|---|--------------------------|----------------------------|----------------------------|---------------|-------------------------|---------------------------------------|--|
| 13420 -Tromsobrua.<br><i>L 3636</i>               |                          | 69° 39.0' N<br>18° 58.9' E | Oc.(3)W.R.G.<br>period 10s | 14<br>4       | W. 4<br>R. 3<br>G. 3    | Aluminum hut on bridge column.        | R. 017°-035°, W.-039°, G.-065°,<br>R.-170°, G.-178°, W.-183°, R.-<br>204°, W.-211°, G.-220°.                       |
| -RACON  |                          |                            | T(-)                       |               | 17                      |                                       | Marks passage under bridge.  |
|   |                          | *                          |                            |               | *                       |                                       | *  |
| 13432 Tonsnes, on Lysneset.<br><i>L 3643</i>      |                          | 69° 44.0' N<br>19° 05.6' E | Oc.W.R.G.<br>period 6s     | 13<br>4       | W. 8<br>R. 8<br>G. 7    | White lantern on stone tower.         | G. 005°-016°, W.-026°, R.-060°,<br>W.-153°, R.-168°, W.-178°,<br>G.-207°, W.-212°, R.-222°.                        |
|   |                          | *                          |                            |               | *                       |                                       | *  |
| 13436 Skallen Rock.<br><i>L 3644</i>              |                          | 69° 45.0' N<br>19° 06.0' E | Oc.(3)W.R.G.<br>period 10s | 17<br>5       | W. 8<br>R. 6<br>G. 5    | Fiberglass hut on concrete<br>column. | W. 242°-247°, R.-303°, G.-<br>010°30', W.-021°30', R.-<br>041°30', W.-047°, G.-153°30',<br>R.-207°, G.-242°.       |
|   |                          | *                          |                            |               | *                       |                                       | *  |
| 13441.5 -Vestre Skarvegrunnen.<br><i>L 3638.2</i> |                          | 69° 40.2' N<br>18° 51.7' E | Iso.W.R.G.<br>period 6s    | 23<br>7       |                         |                                       | G. 338°-342°, W.-349°, R.-<br>021°30', W.-199°, R.-212°30'.  |
|   |                          | *                          |                            |               | *                       |                                       | 10/04  |
| 13448 Hansneset, Kvalsund.<br><i>L 3646</i>       |                          | 69° 46.4' N<br>19° 03.3' E | Oc.W.R.G.<br>period 6s     | 26<br>8       | W. 13<br>R. 10<br>G. 10 | White lantern on base.                | G. 155°-164°, W.-168°30', R.-<br>252°, W.-263°, G.-310° 30',<br>R.-324°, W.-336°, G.-345°30',<br>W.-359°, R.-008°. |
|   |                          | *                          |                            |               | *                       |                                       | 10/04  |
| <b>GROTSUNDET:</b>                                |                          |                            |                            |               |                         |                                       |  |
| 13456 -Vagnes.<br><i>L 3650</i>                   |                          | 69° 46.7' N<br>19° 16.5' E | Oc.(2)W.R.G.<br>period 8s  | 13<br>4       | W. 10<br>R. 9<br>G. 9   | White lantern on base.                | G. 061°-070°, W.-093°, R.-149°,<br>W.-169°, G.-211°, W.-223°,<br>R.-236°, W.-260°, G.-266°.                        |
|   |                          | *                          |                            |               | *                       |                                       | *  |
|   |                          | *                          |                            |               | *                       |                                       | 10/04  |

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

| (1)<br>No.  | (2)<br>Name and Location | (3)<br>Position            | (4)<br>Characteristic                  | (5)<br>Height | (6)<br>Range | (7)<br>Structure  | (8)<br>Remarks           |
|---|--------------------------|----------------------------|--|---------------|--------------|---|--------------------------|
| 13336 -Lipra, rear, 1180 meters<br><i>C 5466</i><br>033°30' from front. |                          | 60° 28.6' N<br>27° 37.7' E | L.FI.W.<br>period 6s<br>fl. 2s, ec. 4s | 68<br>21      | 7            | White hut on concrete structure,<br>white rectangular daymark,<br>black stripe; 65. | Visible 031°30'-035°30'. |
|   |                          | *                          |  |               | *            |   | 10/04                    |

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 10/04

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

| NGA Reference No.                     | Ed.  | Notice to Mariners No.  | NGA Reference No. | Ed.  | Notice to Mariners No.  | NGA Reference No.                      | Ed.  | Notice to Mariners No.   |
|---------------------------------------|------|---|-------------------|------|---|--|------|--|
| <b>NGA HYDRO CATALOG CATP2V01U</b>    |      |   |                   |      |   |  |      |  |
| Region 1                              | 2002 | 1*,2,3,4,7,8,9,10,11,<br>14,15,17,19,20,21,<br>22,23,24,25,26,27,<br>28,29,30,31,32,35,<br>36,37,38,39,40,41,<br>42,43,44,45,46,47,<br>48,50,51,52/03;1,2,<br>3,5,6,8,9,10/04               | SDPUB124          | 2001 | 18*,44,45,47,48,49,<br>52/01;17,19,20,21,<br>29,30,31,34,46,<br>50/02;24,25,27,28,<br>29,30,32,35,36,37,<br>39,44,48/03                 | SDPUB195                               | 2002 | 33*,40,49,51,52/02;<br>1,2,3,15,16,21,32,<br>33,41,43,46,49/03;<br>1/04  |
| Region 2                              | 2002 | 1*,8,15,17,20,21,22,<br>23,24,26,28,30,32,<br>33,34,44,48,52/03;2,<br>3,5,7,10/04   | SDPUB126          | 2002 | 39*,41,42,43,44,45,<br>48/02;24,26,27,28,<br>30,32,41/03  | SDPUB200                               | 2002 | 38*,39,42/02;22,27,<br>34,41,51,52/03  |
| Region 3                              | 2002 | 1/03*   | SDPUB140          | 2001 | 21*,48,49,51/01;8,<br>17,23,32,42,43,44,<br>46,47,48,50/02;4,6,<br>7,8,9,11,12,15,19,<br>21,22,23,24,25,26,<br>31,32,34,37,42,<br>43/03 | <b>USCG LIGHT LIST VOLUMES I - VII</b> |      |  |
| Region 4                              | 2002 | 1*,23,43/03   | SDPUB141          | 2001 | 21*,38/01   | COMDTM165021                           | 2003 | 17*,18,19,20,21,22,<br>23,24,25,26,27,28,<br>29,30,31,32,33,34,<br>36,37,38,39,40,41,<br>42,43,44,45,48,50,<br>52/03;3,4,6,7,8,9,<br>10/04   |
| Region 5                              | 2002 | 1*,3,5,8,22,27,30,<br>33,38,48/03;1,9,<br>10/04   | SDPUB142          | 2000 | 49/00*,3,31,35/01;<br>1,15,43/02  | COMDTM165022                           | 2003 | 17*,18,19,20,21,22,<br>23,24,25,26,27,28,<br>29,30,31,32,33,34,<br>35,36,37,38,39,40,<br>41,42,43,44,45,46,<br>47,48,49,50,51,<br>52/03;1,2,3,4,5,6,7,<br>8,9,10/04                            |
| Region 6                              | 2002 | 1*,10,11,13,16,19,<br>20,21,25,28,30,33,<br>38,50/03  | SDPUB147          | 2001 | 35/01*;21,22,23,<br>24/02;39,40,41,46,<br>50/03;10/04   | COMDTM165023                           | 2003 | 17*,18,19,20,21,23,<br>24,25,26,28,29,31,<br>32,33,34,35,36,37,<br>38,39,41,43,44,45,<br>46,47,48,49,50,51,<br>52/03;1,2,3,4,5,6,7,<br>8,9,10/04   |
| Region 7                              | 2002 | 1*,11,15,28/03  | SDPUB148          | 2001 | 48/01*;23,24/02;22,<br>42,43,45,48,50,<br>52/03;5/04  | COMDTM165024                           | 2003 | 18*,19,20,21,22,23,<br>24,25,26,27,28,29,<br>30,31,32,33,34,35,<br>36,37,38,39,40,41,<br>42,43,44,45,46,47,<br>48,49,50,51,52/03;1,<br>2,3,4,6,7,8,9,10/04                                     |
| Region 8                              | 2002 | 1*,14,37,41,46,<br>52/03  | SDPUB153          | 2000 | 6/01*;28,30,41,44,<br>46,47,48,52/02;1,3,<br>4,8,13,15,22,25,32,<br>35,37,38,39,40,<br>43/03  | COMDTM165025                           | 2002 | 16/02*   |
| Region 9                              | 2002 | 1*,34,40,43,45,48,<br>50,51,52/03;1,7/04  | SDPUB154          | 2002 | 17*,19,31,42,44,45,<br>46,48,50/02;3,14,19,<br>23,30,41,42,47/03;<br>10/04  | COMDTM165026                           | 2003 | 18*,19,20,21,22,23,<br>24,25,26,27,28,29,<br>30,31,32,33,34,35,<br>36,37,38,39,40,41,<br>42,43,44,45,46,47,<br>48,49,50,51,52/03;1,<br>2,3,4,6,7,8,9,10/04                                     |
| Miscellaneous Charts and Publications | 2002 | 1*,2,4,5,6,7,9,11,12,<br>13,15,17,18,19,20,<br>21,23,24,25,27,28,<br>29,30,31,32,33,34,<br>36,37,38,39,41,42,<br>43,45,46,47,48,49,<br>51,52/03;1,4,5,6,7,9,<br>10/04                       | SDPUB155          | 2001 | 31*,48/01;10,45,<br>46/02   | SDPUB159                               | 2002 | 42*,48/02;10/04  |
| <b>NGA LIST OF LIGHTS</b>             |      |   |                   |      |   |  |      |  |
| LLPUB110                              | 2004 | 10/04*  | SDPUB160          | 2002 | 47*,48,49,52/02;6,8,<br>10,11,19,21,22,23,<br>30,33,36,39,41,43,<br>48,49,51/03;1,2,5,<br>6/04  | SDPUB161                               | 2002 | 23*,24,44,47,48/02;<br>5,12/03;10/04   |
| LLPUB111                              | 2003 | 33*,34,35,36,37,38,<br>39,40,41,43,45,47,<br>49,50,51,52/03;1,2,<br>3,4,7,8,9,10/04   | SDPUB162          | 2001 | 51/01*,5,12/03  | SDPUB162                               | 2001 | 18*,20,21,26,46,<br>51/02;13,24,26,27,<br>28,29,30,31,39,40,<br>41,43,47,48/03   |
| LLPUB112                              | 2004 | 7*,9,10/04  | SDPUB163          | 2002 | 10/04   | SDPUB164                               | 2000 | 30/00*;31,35,36/01;<br>8,28/03   |
| LLPUB113                              | 2003 | 46*,48,49,50,51,<br>52/03;1,2,3,4,5,6,7,<br>8,9,10/04   | SDPUB171          | 2001 | 40*,47,48,52/01;5,9,<br>14,16,41/02;23,24,<br>26,41/03  | SDPUB172                               | 2001 | 1*,2,3,5,6,7,8,9,14,<br>15,16,17,18,19,20,<br>22,24/02;1,11,12,13,<br>14,15,19,20,22,23,<br>25,26,27,28,29,31,<br>32,33,34,35,37,38,<br>39,40,43,44,45,46,<br>47,48,51/03;1,2,3,4,<br>5,8,9/04 |
| LLPUB114                              | 2003 | 17*,19,21,22,23,24,<br>27,31,32,40,43,44,<br>46/03  | SDPUB173          | 2002 | 50*,51/02;3,22,24,<br>25,26,27,32,33,34,<br>37,38,49,50,51/03   | SDPUB174                               | 2000 | 7*,19,37,45,51,<br>52/01;1,5,14,19,22,<br>28,33,37,38,48/02;<br>30,39,40,41,43/03;<br>6/04   |
| LLPUB115                              | 2003 | 42*,44,46,47,48,49,<br>51,52/03;1,3,5,7,<br>10/04   | SDPUB175          | 2001 | 41*,43,45,51/01;8,<br>11,12,13,14,16,17,<br>21,27,37,41,49/02;<br>26,27,29,32,37,38,<br>43,47/03  | SDPUB180                               | 2002 | 32*,33,42,47,48,<br>50/02;6,13,14,17,21,<br>24,42,44,47,48,49,<br>51/03  |
| LLPUB116                              | 2003 | 24*,26,27,28,29,30,<br>31,32,33,34,35,36,<br>37,38,39,40,41,42,<br>43,44,45,47,48,49,<br>50,51/03;1,2,3,5,6,7,<br>8,9,10/04   | SDPUB181          | 2002 | 38*,39/02   | SDPUB182                               | 2001 | 8*,10,12,41/02;<br>17/03   |
| <b>SAILING DIRECTIONS</b>             |      |   |                   |      |   |  |      |  |
| CDPUBSD125                            | 2003 | 19*,43,49,51,52/03  | SDPUB183          | 2001 | 27/01*;13,15,16/02;<br>18/03  | SDPUB183                               | 2000 | 27*,28,29,32,33,34,<br>39,42,46,48/03;1,6,<br>8,10/04  |
| CDPUBSD127                            | 2003 | 39/03*  | SDPUB184          | 2001 | 27/01*;13,15,16/02;<br>18/03  | SDPUB184                               | 2000 | 5*,6,9/04  |
| CDPUBSD131                            | 2002 | 9/03*   | SDPUB185          | 2001 | 27/01*;13,15,16/02;<br>18/03  | SDPUB185                               | 2002 | 34*,36,42,43,44,46,<br>48,50,51,52/03;7,<br>9/04   |
| CDPUBSD132                            | 2003 | 6/04*   | SDPUB186          | 2002 | 27/01*;13,15,16/02;<br>18/03  | SDPUB186                               | 2001 | 34*,36,39,42,44,46,<br>47,51/03;6,7,8,9/04   |
| CDPUBSD143                            | 2003 | 46/03*  | SDPUB187          | 2001 | 27/01*;13,15,16/02;<br>18/03  | SDPUB187                               | 2000 | 51*,52/03;1,7,8,9,<br>10/04  |
| CDPUBSD145                            | 2003 | 51/03*  | SDPUB188          | 2002 | 27/01*;13,15,16/02;<br>18/03  | SDPUB188                               | 2003 | 23*,27,29,32,34,39,<br>42,46,48,51,52/03;1,<br>7,9/04  |
| CDPUBSD146                            | 2002 | 4/03*   | SDPUB189          | 2000 | 27*,38,49/00;9,26,<br>27,31,32/01;14,15,<br>26,52/02;18,19,20,<br>23,29/03;6/04   | NOS MISCELLANEOUS PUBLICATIONS         | 2000 | 37*,38,39,42,44,45,<br>48,51/03;5,7,8,9/04   |
| CDPUBSD157                            | 2003 | 17/03*  |                   |      |   | NOSPCATALOG1                           | 2000 | 20/00*   |
| CDPUBSD158                            | 2003 | 24/03*  |                   |      |   | NOSPCATALOG2                           | 2000 | 34/00*   |
| CDPUBSD191                            | 2003 | 52/03*  |                   |      |   | NOSPCATALOG3                           | 2000 | 28/00*   |
| CDPUBSD192                            | 2003 | 32*,36,38,39,40,41,<br>42,43/03   |                   |      |   | NOSPCATALOG4                           | 2000 | 34/00*   |
| CDPUBSD194                            | 2002 | 6*,8,15,17,30,33,35,<br>37,38,39,40/03  |                   |      |   | <b>ALMANACS</b>                        |      |  |
| SDPUB120                              | 2001 | 12*,18,48,49,51/01;<br>8,13,14,21,22,24,29,<br>33,35,37,42,43,44,<br>45,47/02;4,6,7,8,9,<br>10,11,12,14,17,20,<br>21,23,29,30,31,41,<br>42,44,45,47,48,49,<br>50,51/03;1,2,3,5,6,7,<br>9/04 |                   |      |   | AIRALMANAC401                          | 2004 | 29/03*   |
| SDPUB123                              | 2001 | 45*,47,48/01;1,14,<br>17,18,19/02;24,25,<br>27,28,32,38,42/03   |                   |      |   | NAUTALMANAC04                          | 2004 | 29/03*   |

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 10/04**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

|   |      |   |  |  |
|---|------|---|--|--|
| NGA Reference No.   | Ed.  | Notice to Mariners No.  |  |  |
| NOSPBCP9  | 21   | 30*,32,33,36,39,42,<br>48,51/03;8/04  |  |  |
| <b>RADIO NAVIGATIONAL AIDS</b><br>RAPUB117                              | 2002 | 50/02*;13/03  |  |  |
| <b>AMERICAN PRACTICAL NAVIGATOR</b><br>NVPUB9                           | 2002 | 36/02*;14,38/03   |  |  |
| <b>INTERNATIONAL CODE OF SIGNALS</b><br>CDPUBNV102                      | 2003 | 20/03*  |  |  |
| <b>WORLD PORT INDEX</b><br>NVPUB150                                     | 2000 | 50/00*,14,15,16,20,<br>21,41,42,43,44,45,<br>46,47,48,49,51,<br>52/01;1,2,5,6,10,11,<br>12,16,19,21,22,27,<br>31,32,33,36,39,40,<br>42,46,49/02;2,7,10,<br>15,20/03 |  |  |
| <b>DISTANCES BETWEEN PORTS</b><br>NVPUB151                              | 2001 | 4/02*   |  |  |
| <b>RADAR NAVIGATION AND<br/>MANEUVERING BOARD MANUAL</b><br>CDPUBNV1310 | 2001 | 51/01*  |  |  |
| <b>SIGHT REDUCTION TABLES (MARINE)</b>                                  |      |   |  |  |
| SRPUB229V1  | 1970 | 11/71*  |  |  |
| SRPUB229V2  | 1970 | 11/71*  |  |  |
| SRPUB229V3  | 1970 | 7/71*   |  |  |
| SRPUB229V4  | 1970 | 3/71*   |  |  |
| SRPUB229V5  | 1970 | 3/71*   |  |  |
| SRPUB229V6  | 1970 | 23/70*  |  |  |
| <b>SIGHT REDUCTION TABLES (AIR)</b>                                     |      |   |  |  |
| SRPUB249V1  | 2000 | 4/01*   |  |  |
| SRPUB249V2  | 1952 | 46/52*  |  |  |
| SRPUB249V3  | 1952 | 46/52*  |  |  |
| <b>CHART NO. 1</b><br>WOBZC1  | 1997 | 18/98*  |  |  |
| <b>CHART NO. 4</b><br>WOBZC4  | 1988 | N23/91*   |  |  |
| <b>ATLAS OF PILOT CHARTS</b>  |      |   |  |  |
| NVPUB106  | 2002 | 42/03*  |  |  |
| NVPUB107  | 1998 | 30/99*  |  |  |
| NVPUB109  | 2001 | 49/02*  |  |  |
| <b>USCG NAVIGATION RULES</b><br>COMDTM166722D                           | 1999 | 44/99*;52/00  |  |  |
| <b>NOS TIDE TABLES</b>  |      |   |  |  |
| NOSPBTTCWPACIN4   | 2004 | N1/04*  |  |  |
| NOSPBTTECSTNSA4   | 2004 | N1/04*  |  |  |
| NOSPBTTEURAFR4  | 2004 | N1/04*  |  |  |
| NOSPBTWCSTNSA4  | 2004 | N1/04*  |  |  |
| <b>TIDAL CURRENT TABLES</b>   |      |   |  |  |
| NOSPBTCTATCSTN4   | 2004 | N1/04*  |  |  |
| NOSPBTCTPACAS4  | 2004 | N1/04*  |  |  |

## SECTION III

NM 10/04

### BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

#### NAVAREA IV

Messages in force 191300Z February 2004:

|             |             |         |           |         |
|-------------|-------------|---------|-----------|---------|
| 2003 series | 387(GEN)    | 4(GEN)  | 45(11,26) | 47(GEN) |
| 108(26,27)  | 2004 series | 43(GEN) | 46(11)    | 51(24)  |

The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03.

#### NAVAREA IV WARNINGS issued from 111200Z to 191300Z February 2004.

45/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 0500Z TO 0459Z COMMENCING DAILY  
16 THRU 22 FEB IN AREA BOUND BY  
30-45N 080-32W, 30-45N 079-40W,  
30-38N 079-40W, 30-34N 080-32W.
- B. 0500Z TO 0459Z COMMENCING DAILY  
16 THRU 22 FEB IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
- C. 1300Z TO 0459Z COMMENCING DAILY  
17 THRU 19 FEB AND 0500Z TO 0700Z  
DAILY 13 THRU 20 FEB DAILY IN AREA  
BETWEEN 30-00N 29-50N AND 081-00W 080-50W.
- D. 171500Z TO 171800Z FEB IN AREA BOUND BY  
30-35N 080-21W, 30-35N 081-00W,  
30-00N 081-15W, 30-00N 081-02W.

2. CANCEL THIS MSG 230559Z FEB.

(131400Z FEB 2004)

46/04(11). SOUTH CAROLINA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 16 THRU 20 FEB WITHIN  
ONE MILE OF 32-33.7N 079-46.8W.
2. CANCEL THIS MSG 21 FEB.

(131415Z FEB 2004)

47/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 141000Z FEB 2004. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 4(GEN), 36(GEN), 37(11,26), 40(GEN),  
41(25), 43(GEN), 45(11,26), 46(11).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS  
OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA IV 38/04.

(141010Z FEB 2004)

48/04 thru 50/04. CANCELED.

51/04(24). NORTH ATLANTIC.

1. OCEANOGRAPHIC OPERATIONS 22 FEB THRU 16 MAR  
BY M/V L'ATALANTE IN AREA BETWEEN  
03-05N 07-05N AND 046-00W 049-00W.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 17 MAR.

(171010Z FEB 2004)

### SECTION III HYDROLANTS

Messages in force 191300Z February 2004:

|             |             |             |             |            |            |
|-------------|-------------|-------------|-------------|------------|------------|
| 2000 series | 738(35)     | 2266(37)    | 2420(54)    | 176(53)    | 272(24)    |
| 2937(38)    | 1117(37)    | 2297(24)    | 2004 series | 177(52)    | 276(23)    |
| 3762(43)    | 1242(24)    | 2319(53)    | 17(53)      | 179(23,24) | 279(55)    |
| 4265(44)    | 1291(37)    | 2340(52,53) | 29(37)      | 214(23,24) | 281(24)    |
| 2001 series | 1374(52,53) | 2354(24)    | 36(51,52)   | 220(57)    | 282(37)    |
| 611(44)     | 1422(53)    | 2374(35)    | 47(54)      | 224(24)    | 284(23,29) |
| 2700(37)    | 1472(35)    | 2384(23,24) | 91(53)      | 227(37)    | 285(24)    |
| 3161(44)    | 1620(53,56) | 2399(24)    | 106(37)     | 229(57)    | 286(24)    |
| 2002 series | 1731(35)    | 2406(54)    | 113(56)     | 230(57)    | 287(24)    |
| 245(GEN)    | 1834(22)    | 2407(54)    | 124(53)     | 238(56)    | 288(53)    |
| 246(GEN)    | 1944(53)    | 2408(54)    | 128(24)     | 239(GEN)   | 289(24)    |
| 2682(51)    | 1995(53)    | 2409(54)    | 143(37)     | 249(57)    | 290(36)    |
| 2848(37)    | 1999(23)    | 2410(54)    | 159(24,57)  | 254(53)    | 291(24)    |
| 2003 series | 2031(55)    | 2413(54)    | 163(56)     | 256(53)    | 292(24)    |
| 41(37)      | 2058(24)    | 2414(54)    | 164(53)     | 259(54,56) | 293(24)    |
| 67(37)      | 2175(24)    | 2416(54)    | 169(51,52)  | 261(52,53) | 294(53)    |
| 544(55)     | 2203(53)    | 2418(52)    | 170(23)     | 262(55)    | 295(24)    |
| 604(26,27)  | 2235(37)    | 2419(54)    | 172(53)     | 268(GEN)   |            |

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03.

#### **HYDROLANT WARNINGS issued from 111200Z to 191300Z February 2004.**

249/04(57). SOUTH ATLANTIC.

M/V RHINE TRADER REPORTS CREWMAN WITH BRAIN HEMORRHAGING IN 08-32S 001-41E AT 111230Z FEB. VESSELS IN VICINITY ABLE TO PROVIDE MEDEVAC REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO MRCC BREMEN, TELEX: 4124 6466, PHONE: 494 2153 6870, FAX: 4942 1536 8714.

(111430Z FEB 2004)

250/04 thru 253/04. CANCELED.

254/04(53). ITALY-SOUTHWEST COAST.

UNDERWATER OPERATIONS 15 FEB UNTIL FURTHER NOTICE BY M/V SKANDI INSPECTOR VICINITY OF AREAS BOUND BY:

A. 38-16.5N 015-35.6E, 38-16.2N 015-36.9E,  
38-16.5N 015-39.0E, 38-15.1N 015-44.2E,  
38-15.5N 015-45.5E, 38-16.7N 015-43.0E,  
38-17.6N 015-39.0E.  
B. 38-16.2N 015-36.9E, 38-16.5N 015-35.6E,  
38-25.1N 015-48.3E, 38-24.9N 015-52.5E,  
38-23.9N 015-51.9E, 38-23.8N 015-50.0E.

WIDE BERTH REQUESTED.

(121140Z FEB 2004)

255/04. CANCELED.

256/04(53). ITALY-SOUTHWEST COAST.

CHART 53180 (10TH ED).  
CAPO SUVERO LIGHT 38-57.1N 016-09.5E UNLIT.

(121845Z FEB 2004)

257/04 and 258/04. CANCELED.

259/04(54,56). EASTERN MEDITERRANEAN SEA.

DISTRESS SIGNAL RECEIVED FROM M/V FRATELLI GAROFALO, SIX PERSONS ON BOARD, IN 33-57N 019-55E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME, PHONE: 390 6592 4145, FAX: 390 6592 2737.

(130840Z FEB 2004)

260/04. CANCELED.

261/04(52,53). STRAIT OF SICILY. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0900Z TO 1100Z DAILY 17 AND 18 FEB, ALTERNATE 19 THRU 21 FEB IN AREA BETWEEN 36-36N 36-39N AND 012-11E 012-18E.  
2. CANCEL THIS MSG 211200Z FEB.

(131150Z FEB 2004)

**NM 10/04**

### **SECTION III**

262/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1700Z DAILY  
17 THRU 20 FEB IN AREA BOUND BY  
46-18N 031-13E, 46-12N 031-20E,  
46-09N 031-15E, 46-14N 031-07E.
2. CANCEL HYDROLANT 258/04(57), VESSEL ASSISTED.
3. CANCEL THIS MSG 201800Z FEB.

(131430Z FEB 2004)

263/04 thru 267/04. CANCELED.

268/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 141200Z FEB 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 17(53), 29(37), 36(51,52), 47(54), 91(53), 106(37), 113(56), 124(53), 128(24), 143(37), 158(37), 159(24,57), 163(56), 164(53), 169(51,52), 170(23), 172(53), 176(53), 177(52), 179(23,24), 191(53), 206(56), 212(GEN), 214(23,24), 220(57), 224(24), 227(37), 229(57), 230(57), 238(56), 239(GEN), 248(56), 249(57), 252(24), 253(24), 254(53), 255(55), 256(53), 257(37,51), 259(54,56), 260(52,53), 261(52,53), 262(55), 263(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROLANT 107/04, 203/04, 221/04, 266/04.

(141240Z FEB 2004)

269/04 thru 271/04. CANCELED.

272/04(24). BRAZIL-NORTH COAST.

CHART 24270 (3RD ED).

PONTA DA PRAIA GRANDE LIGHT 01-07.2S 045-37.6W UNLIT.

(141410Z FEB 2004)

273/04 thru 275/04. CANCELED.

276/04(23). SOUTH ATLANTIC.

1. FISHING NET MARKED BY ORANGE BUOY ADRIFT  
IN 44-59.8S 062-36.7W.
2. CANCEL HYDROLANT 274/04(GEN).
3. CANCEL THIS MSG 22 FEB.

(151530Z FEB 2004)

277/04 and 278/04. CANCELED.

279/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0930Z TO 1400Z DAILY  
19 AND 20 FEB IN AREA BOUND BY  
44-43.8N 032-52.2E, 44-34.8N 032-37.4E,  
44-39.0N 032-11.5E, 44-48.4N 032-08.2E,  
45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL THIS MSG 201500Z FEB.

(161412Z FEB 2004)

280/04. CANCELED.

281/04(24). NORTH ATLANTIC.

1. OCEANOGRAPHIC OPERATIONS 22 FEB THRU 16 MAR  
BY M/V L'ATALANTE IN AREA BETWEEN  
03-05N 07-05N AND 046-00W 049-00W.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 17 MAR.

(171020Z FEB 2004)

282/04(37). DOVER STRAIT.

CHART 37125 (15TH ED).  
RUYTINGEN WEST BUOY 51-07N 001-50E UNLIT.

(171110Z FEB 2004)

283/04. CANCELED.

284/04(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 17 FEB:
  - A. A-38A, 20 MILES BY 31 MILES IN 53-44S 034-10W.
  - B. A-38B, 19 MILES BY 38 MILES IN 54-14S 035-15W.
  - C. A-43B, SIX MILES BY 35 MILES IN 54-27S 039-07W.
  - D. A-48, FIVE MILES BY EIGHT MILES IN 52-21S 030-40W.
  - E. UK-97, FOUR MILES BY EIGHT MILES IN 53-09S 041-04W.
2. CANCEL THIS MSG 25 FEB.

(180210Z FEB 2004)

### SECTION III

NM 10/04

285/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 19 FEB BY  
M/V VERITAS VIKING TOWING EIGHT 6000 METER  
LONG CABLES IN AREA BETWEEN  
15-42S 15-08S AND 038-48W 037-47W.  
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 20 FEB.

(180820Z FEB 2004)

286/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 19 FEB  
BY M/V TROPICALIENTE TOWING TWO 20 METER  
LONG CABLES IN AREA BOUND BY  
13-32.22S 038-50.03W, 13-33.18S 038-50.50W,  
13-35.58S 038-45.42W, 13-34.62S 038-44.93W.  
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 20 FEB.

(180835Z FEB 2004)

287/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 19 FEB  
BY M/V BULLDOG TOWING TWO 15 METER LONG  
CABLES IN AREA BOUND BY  
13-32.22S 038-50.03W, 13-33.18S 038-50.50W,  
13-35.58S 038-45.42W, 13-34.62S 038-44.93W.  
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 20 FEB.

(180840Z FEB 2004)

288/04(53). SICILIA-NORTHEAST COAST.

- SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V URANIA IN AREAS:  
A. BETWEEN 38-52.0N 38-18.4N AND 015-17.0E 015-48.0E.  
B. BOUND BY 38-15.9N 015-39.0E, 38-13.9N 015-38.0E,  
37-45.0N 015-18.0E, 37-45.0N 015-38.0E.  
WIDE BERTH REQUESTED.

(180940Z FEB 2004)

289/04(24). BRAZIL-NORTH COAST.

- CHART 24270 (3RD ED).  
ILHA DO MANGUNCA LIGHT 01-37S 044-39W UNLIT.

(181040Z FEB 2004)

290/04(36). BRISTOL CHANNEL.

- CHART 36165 (6TH ED).  
HORSESHOE BUOY 51-15N 004-13W UNLIT.

(190240Z FEB 2004)

291/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 220259Z FEB  
BY M/V CGG HARMATTAN TOWING SIX 6000 METER  
LONG CABLES IN AREA BOUND BY  
25-35S 045-56W, 25-50S 045-52W,  
25-42S 045-08W, 25-26S 045-14W.  
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 220359Z FEB.

(190840Z FEB 2004)

292/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 040300Z MAR BY  
M/V RAMFORM VIKING TOWING EIGHT 6000 METER  
LONG CABLES IN AREA BOUND BY  
27-23S 047-07W, 26-53S 047-07W,  
26-53S 046-22W, 27-22S 046-22W.  
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 040400Z MAR.

(190845Z FEB 2004)

293/04(24). BRAZIL-EAST COAST.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 220259Z FEB BY  
M/V POLAR BJORN TOWING 50 METER LONG CABLE  
IN AREA BOUND BY  
20-53.5S 039-57.9W, 20-53.5S 039-23.8W,  
21-26.9S 039-29.6W, 21-26.4S 040-04.1W.  
TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 220359Z FEB.

(190850Z FEB 2004)

SECTION III

294/04(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS:

- A. 0700Z TO 1900Z DAILY 19, 20 AND  
23 THRU 27 FEB IN AREA BOUND BY  
40-00N 010-00E, 40-00N 010-30E,  
39-10N 010-30E, 39-10N 010-00E,  
39-26N 009-38E, 39-38N 009-38E.
- B. 0800Z TO 1630Z DAILY 19 AND  
23 THRU 27 FEB IN AREA BOUND BY  
40-15N 010-00E, 40-15N 011-31E,  
40-11N 011-33E, 39-32N 011-38E,  
38-52N 011-28E, 39-10N 010-00E,  
39-28N 009-38E, 39-43N 009-40E.
- C. 0800Z TO 1630Z DAILY 19 AND  
24 THRU 26 FEB IN AREA BOUND BY  
40-37N 009-50E, 40-40N 010-35E,  
40-40N 010-50E, 39-20N 010-50E,  
39-20N 009-47E, 39-24N 009-40E.
- D. 0800Z TO 1630Z DAILY 23 THRU 27 FEB  
IN AREA BOUND BY 40-37N 009-54E,  
40-42N 011-17E, 40-11N 011-33E,  
39-46N 011-36E, 39-02N 010-17E,  
39-04N 010-08E, 39-26N 009-38E.

- 2. CANCEL HYDROLANT 191/04.
- 3. CANCEL THIS MSG 272000Z FEB.

(191140Z FEB 2004)

295/04(24). BRAZIL-EAST COAST.

CHART 24180 (15TH ED).

RIO DOCE LIGHT 19-39.0S 039-49.5W UNLIT.

(191150Z FEB 2004)

**SECTION III****NAVAREA XII**

Messages in force 191300Z February 2004:

|             |             |         |         |        |
|-------------|-------------|---------|---------|--------|
| 2003 series | 2004 series | 38(19)  | 62(GEN) | 67(18) |
| 262(GEN)    | 10(GEN)     | 54(GEN) | 66(18)  |        |

The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03.

**NAVAREA XII WARNINGS issued from 111200Z to 191300Z February 2004.**

56/04 thru 61/04. CANCELED.

62/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 141000Z FEB 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 10(GEN), 38(19), 48(GEN), 54(GEN), 56(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA XII 51/04.

(141020Z FEB 2004)

63/04 thru 65/04. CANCELED.

66/04(18). NORTH PACIFIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 180001Z TO 202359Z FEB WITHIN 150 MILES OF 43-00N 130-00W.
2. CANCEL THIS MSG 210059Z FEB.

(172349Z FEB 2004)

67/04(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:  
 A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL  
 B. 33-52N 119-06W. TO THE SHORELINE.  
 C. 33-29N 119-07W. N. 34-24N 120-30W.  
 D. 33-29N 118-37W. O. 34-08N 120-26W.  
 E. 33-20N 118-37W. P. 34-08N 119-40W.  
 F. 32-11N 120-16W. Q. 34-00N 119-40W.  
 G. 31-54N 121-35W. R. 34-06N 119-13W.  
 H. 35-09N 123-39W. S. 34-06N 119-11W.  
 I. 35-29N 123-00W. T. 34-07N 119-10W.  
 J. 35-04N 122-43W. U. 34-07N 119-07W.  
 K. 35-57N 121-32W. V. 34-04N 119-04W.  
 L. 34-59N 120-42W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 56/04.

(191020Z FEB 2004)

### SECTION III

#### HYDROPACS

Messages in force 191300Z February 2004:

|             |          |             |            |            |            |
|-------------|----------|-------------|------------|------------|------------|
| 2001 series | 960(63)  | 1982(GEN)   | 166(71,72) | 247(75)    | 297(74)    |
| 1976(62)    | 993(62)  | 2004(73,74) | 180(61)    | 249(81,83) | 298(61)    |
| 2002 series | 998(71)  | 2106(73)    | 181(94,95) | 253(GEN)   | 299(61)    |
| 205(GEN)    | 1041(71) | 2159(63)    | 182(95)    | 257(61)    | 300(63)    |
| 206(GEN)    | 1198(92) | 2265(62)    | 183(95)    | 259(81)    | 301(63)    |
| 403(72,73)  | 1213(73) | 2275(22)    | 184(71)    | 262(63)    | 302(62)    |
| 2199(63)    | 1266(73) | 2004 series | 185(95)    | 265(63)    | 303(61)    |
| 2330(62)    | 1330(62) | 20(97)      | 186(95)    | 266(75)    | 304(29)    |
| 2339(63)    | 1395(62) | 23(62)      | 187(95)    | 267(63)    | 305(81)    |
| 2003 series | 1485(22) | 28(95)      | 200(74)    | 268(63)    | 307(61)    |
| 167(95)     | 1652(63) | 37(22)      | 211(94,97) | 269(63)    | 308(61)    |
| 207(62)     | 1653(63) | 41(61)      | 212(94,97) | 270(61)    | 309(63)    |
| 445(96)     | 1655(29) | 65(63)      | 213(94)    | 276(61)    | 310(63)    |
| 495(62)     | 1699(63) | 73(61)      | 214(62)    | 277(63)    | 311(63)    |
| 496(62)     | 1700(62) | 74(83)      | 217(19,97) | 278(63)    | 312(63)    |
| 506(62)     | 1734(74) | 75(62,63)   | 222(63)    | 279(GEN)   | 314(63)    |
| 515(73)     | 1736(63) | 84(62)      | 223(63)    | 280(63)    | 315(63)    |
| 638(62)     | 1745(96) | 86(95)      | 226(81)    | 281(63)    | 316(61)    |
| 760(63)     | 1785(96) | 95(71)      | 227(74,75) | 282(96)    | 317(95,96) |
| 761(63)     | 1892(73) | 121(63)     | 238(62)    | 289(62)    |            |
| 801(72)     | 1893(73) | 123(95,96)  | 243(61)    | 291(74)    |            |
| 895(62)     | 1911(62) | 158(29)     | 246(76)    | 296(63)    |            |

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03.

#### **HYDROPAC WARNINGS issued from 111200Z to 191300Z February 2004.**

261/04. CANCELED.

262/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 29 FEB  
BY M/V RAMFORM CHALLENGER TOWING EIGHT  
6000 METER LONG CABLES IN AREA BOUND BY  
23-01.9N 067-52.7E, 23-01.9N 067-56.0E,  
22-52.5N 067-56.0E, 22-52.5N 067-48.5E.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 MAR.

(111715Z FEB 2004)

263/04 and 264/04. CANCELED.

265/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY 12 THRU 29 FEB  
BY M/V RAMFORM VANGUARD TOWING TEN  
6000 METER LONG CABLES IN AREA BOUND BY  
18-53.5N 070-38.0E, 19-05.5N 071-08.5E,  
18-39.5N 071-19.5E, 18-27.5N 070-49.5E.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 MAR.

(111815Z FEB 2004)

266/04(75). AUSTRALIA-SOUTHEAST COAST.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE BY M/V GEOSEA IN AREA BETWEEN  
38-43S 38-37S AND 142-58E 142-57E.  
ONE MILE BERTH REQUESTED.

(112254Z FEB 2004)

267/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY 14 FEB THRU 11 MAR BY  
M/V VERITAS SEARCHER TOWING 6000 METER  
LONG CABLE IN AREA BOUND BY  
08-15.0N 074-00.0E, 07-46.0N 074-00.0E,  
07-54.5N 074-52.3E, 07-15.0N 075-12.0E,  
07-15.0N 077-00.0E, 08-15.0N 076-33.0E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 153/04 AND 264/04(61).
3. CANCEL THIS MSG 12 MAR.

(120950Z FEB 2004)

NM 10/04

### SECTION III

268/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY  
14 THRU 21 FEB IN AREA BETWEEN  
15-13N 15-11N AND 073-57E 073-52E.
2. CANCEL HYDROPAC 248/04(74), AID RESTORED.
3. CANCEL THIS MSG 211330Z FEB.

(121155Z FEB 2004)

269/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 15 THRU 21 FEB  
WITHIN 25 MILES OF 14-01.0N 074-19.6E.
2. CANCEL THIS MSG 211230Z FEB.

(121240Z FEB 2004)

270/04(61). INDIAN OCEAN.

F/V ANNELISE UNREPORTED. LAST KNOWN POSITION  
29-00S 035-00E ON 08 FEB. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO CAPE TOWN RADIO.

(121920Z FEB 2004)

271/04 thru 275/04. CANCELED.

276/04(61). INDIAN OCEAN.

1. DERELICT 13 METER S/V BEAM 7 ADRIFT VICINITY  
40-15S 080-25E AT 131800Z FEB.
2. CANCEL HYDROPAC 271/04.
3. CANCEL THIS MSG 21 FEB.

(140840Z FEB 2004)

277/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 01 JUN BY  
M/V ORIENT EXPLORER TOWING THREE 6000 METER  
LONG CABLES IN AREA BOUND BY  
23-25.3N 068-04.0E, 23-27.0N 068-10.0E,  
23-18.0N 068-16.0E, 23-06.0N 068-13.0E,  
23-05.0N 067-57.0E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 105/04.
3. CANCEL THIS MSG 02 JUN.

(140850Z FEB 2004)

278/04(63). INDIA-WEST COAST.

CHART 63102 (19TH ED).

1. NAVIGATION PROHIBITED UNTIL FURTHER NOTICE  
IN AREA BETWEEN  
18-50.5N 18-53.5N AND 072-39.0E 072-43.5E.
2. CANCEL HYDROPAC 1248/03.

(140905Z FEB 2004)

279/04(GEN).

1. HYDROPAC MESSAGES IN FORCE 141200Z FEB 2004. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 20(97), 23(62), 28(95), 37(22), 41(61), 60(94),  
61(94), 65(63), 73(61), 74(83), 75(62,63), 84(62), 86(95),  
95(71), 96(63), 121(63), 123(95,96), 158(29), 166(71,72),  
180(61), 181(94,95), 182(95), 183(95), 184(71), 185(95),  
186(95), 187(95), 200(74), 210(74), 211(94,97), 212(94,97),  
213(94), 214(62), 217(19,97), 222(63), 223(63), 225(GEN),  
226(81), 227(74,75), 238(62), 240(61), 241(61), 242(61),  
243(61), 246(76), 247(75), 249(81,83), 253(GEN), 254(73),  
257(61), 259(81), 260(96), 261(63), 262(63), 265(63),  
266(75), 267(63), 268(63), 269(63), 270(61), 272(81),  
273(74), 274(74), 275(81), 276(61), 277(63), 278(63).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS  
OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROPAC 2111/03, 2244/03, 2260/03, 230/04, 245/04.

(141250Z FEB 2004)

280/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z  
DAILY 17 AND 20 FEB IN AREA BOUND BY  
09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 201630Z FEB.

(141340Z FEB 2004)

281/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY 18 AND 19 FEB  
WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 191800Z FEB.

(141350Z FEB 2004)

## SECTION III

282/04(96). SEA OF JAPAN. GUNNERY. MISSILES.

1. HAZARDOUS OPERATIONS 0001Z TO 0300Z AND 0500Z TO 0800Z  
DAILY 19 THRU 21 FEB IN AREA BOUND BY  
42-20N 131-41E, 42-40N 131-41E,  
42-39N 132-15E, 42-20N 132-15E.
2. CANCEL THIS MSG 210900Z FEB.

(141420Z FEB 2004)

283/04 thru 288/04. CANCELED.

289/04(62). PERSIAN GULF. HAZARDOUS OPERATIONS.

HAZARDOUS OPERATIONS 0300Z TO 1500Z IN PROGRESS  
DAILY UNTIL FURTHER NOTICE IN AREA BOUND BY  
24-43N 051-45E, 24-49N 052-16E,  
24-58N 052-16E, 24-53N 051-45E.

(151101Z FEB 2004)

290/04. CANCELED.

291/04(74). AUSTRALIA-NORTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V VERITAS VIKING II TOWING EIGHT 6000 METER  
LONG CABLES IN AREA BETWEEN 19-20S 19-55S AND  
113-40E 114-30E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 274/04.

(151425Z FEB 2004)

292/04 thru 295/04. CANCELED.

296/04(63). INDIA-NORTHWEST COAST.

MAN OVERBOARD FROM F/V MALIK VICINITY 22-44.4N 068-34.1E  
AT 141040Z FEB. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO ANY COASTAL RADIO STATION.

(160720Z FEB 2004)

297/04(74). AUSTRALIA-NORTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V WESTERN TRIDENT TOWING TEN 2.5 MILE LONG CABLES  
IN AREA BETWEEN 19-10S 20-30S AND 112-30E 113-40E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 273/04.

(161110Z FEB 2004)

298/04(61). MOZAMBIQUE CHANNEL.

CHART 61440 (2ND ED).

1. ILE JUAN DE NOVA LIGHT 17-03.1S 042-41.8E UNLIT.
2. CANCEL HYDROPAC 1998/03.

(161120Z FEB 2004)

299/04(61). MOZAMBIQUE CHANNEL.

1. DERELICT 15 METER VESSEL, RED AND WHITE HULL, CAPSIZED  
AND ADRIFT VICINITY 12-41S 046-17E ON 13 FEB.
2. CANCEL THIS MSG 23 FEB.

(161140Z FEB 2004)

300/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 190230Z TO 190530Z AND  
191230Z TO 191430Z FEB IN AREA BOUND BY  
17-42.2N 083-18.6E, 17-42.1N 083-29.9E,  
17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL THIS MSG 191530Z FEB.

(161150Z FEB 2004)

301/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 190030Z TO 191230Z FEB IN AREA  
BETWEEN 18-50N 19-30N AND 086-40E 087-40E.
2. CANCEL THIS MSG 191330Z FEB.

(161210Z FEB 2004)

302/04(62). PERSIAN GULF.

CHART 62434 (9TH ED).

DANGEROUS WRECK IN 29-49.0N 048-47.5E.

(161240Z FEB 2004)

303/04(61). MOZAMBIQUE CHANNEL.

DISTRESS SIGNAL RECEIVED FROM VESSEL ARPEN-1  
IN 19-49.27S 034-50.14E. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF  
POSSIBLE. REPORTS TO CAPE TOWN RADIO.

(162247Z FEB 2004)

## SECTION III

304/04(29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 17 FEB IN:

- A. A-22A, 23 MILES BY 32 MILES IN 76-24S 052-18W.
- B. A-23A, 32 MILES BY 34 MILES IN 76-06S 041-36W.
- C. A-27, THREE MILES BY 14 MILES IN 75-54S 042-54W.
- D. A-43A, 14 MILES BY 35 MILES IN 64-18S 054-30W.
- E. A-43E, TEN MILES BY 14 MILES IN 66-30S 059-12W.
- F. A-43F, 22 MILES BY 44 MILES IN 66-18S 060-00W.
- G. A-52, EIGHT MILES BY 22 MILES IN 64-54S 057-54W.

2. CANCEL THIS MSG 25 FEB.

(180215Z FEB 2004)

305/04(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 08-51.2N 155-35.5E.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO U.S. COAST GUARD GUAM.

(180720Z FEB 2004)

306/04. CANCELED.

307/04(61). MOZAMBIQUE CHANNEL. MAYOTTE.

CHART 61312 (3RD ED).

- 1. CAP DOUAMOUGNO LIGHT 12-39.0S 045-06.1E UNLIT.
- 2. CANCEL HYDROPAC 306/04(97), VESSEL LOCATED SAFE.
- 3. CANCEL HYDROPAC 240/04.

(180748Z FEB 2004)

308/04(61). MOZAMBIQUE CHANNEL. MAYOTTE.

CHART 61312 (3RD ED).

- 1. ILE M'SONGOMA REAR RANGE LIGHT 12-41.9S 045-07.6E UNLIT.
- 2. CANCEL HYDROPAC 241/04 AND 242/04.

(181055Z FEB 2004)

309/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 29 FEB  
BY M/V C-ORION TOWING SIX 6000 METER

LONG CABLES IN AREA BOUND BY  
22-45.5N 068-30.1E, 22-40.9N 068-34.3E,  
22-22.5N 068-28.3E, 22-39.4N 068-19.0E,  
22-53.0N 068-09.3E, 22-54.5N 068-15.2E,  
22-44.5N 068-25.1E, 22-42.7N 068-27.0E.

WIDE BERTH REQUESTED.

- 2. CANCEL THIS MSG 01 MAR.

(181440Z FEB 2004)

310/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 MAR BY  
M/V RAMFORM VICTORY TOWING TEN 6000 METER  
LONG CABLES IN AREA BOUND BY  
19-25.0N 069-40.0E, 19-37.0N 070-13.0E,  
19-14.0N 070-23.0E, 19-02.0N 069-50.0E.  
WIDE BERTH REQUESTED.

- 2. CANCEL THIS MSG 21 MAR.

(181450Z FEB 2004)

311/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 29 FEB BY  
M/V C-EXPLORER TOWING THREE 4000 METER  
LONG CABLES IN AREA BOUND BY  
20-05.6N 071-35.0E, 20-20.9N 072-09.6E,  
20-10.0N 072-13.1E, 19-55.9N 071-41.1E.  
WIDE BERTH REQUESTED.

- 2. CANCEL THIS MSG 01 MAR.

(181500Z FEB 2004)

312/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 10 MAR BY  
M/V TEKNIK PERDANA AND M/V TEKNIK PUTRA  
TOWING 10000 METER LONG CABLE IN AREA BOUND BY  
20-11.9N 067-50.3E, 20-13.9N 067-52.9E,  
20-11.3N 067-55.8E, 20-09.3N 067-52.3E.  
WIDE BERTH REQUESTED.

- 2. CANCEL THIS MSG 11 MAR.

(181510Z FEB 2004)

313/04. CANCELED.

### **SECTION III**

**NM 10/04**

314/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY  
20 THRU 29 FEB WITHIN 75 MILES  
OF 08-31.N 076-52.1E.
2. CANCEL THIS MSG 291800Z FEB.

(181530Z FEB 2004)

315/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0430Z TO 1030Z DAILY 21 THRU 23 FEB  
WITHIN 185 MILES OF 21-22N 086-56E.
2. CANCEL THIS MSG 231130Z FEB.

(181540Z FEB 2004)

316/04(61). INDIAN OCEAN.

27 METER F/V ISLE OF MAHE, 31 PERSONS ON BOARD,  
ADRIFT IN 08-05.18S 051-34.00E. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC LA REUNION,  
INMARSAT: 42916140, TELEX: 916140,  
PHONE: 2622 6243 4343, FAX: 2622 6271 1595  
OR MRCC SEYCHELLES, PHONE: 00 248 224 411.

(190110Z FEB 2004)

317/04(95,96). SEA OF JAPAN, RUSSIA.

1. VESSEL, TWO PERSONS ON BOARD, UNREPORTED VICINITY  
NAKHODKA (42-55N 132-53E). VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO MRCC VLADIVOSTOK, TELEX: 213115,  
PHONE: 742 3249 5522, FAX: 742 3249 5895.
2. CANCEL HYDROFAC 1745/03.
3. CANCEL HYDROFAC 305/04(81), SIGNAL CEASED.

(191210Z FEB 2004)

### **MARAD ADVISORIES**

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 19 February 2004: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

### **SPECIAL WARNINGS**

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 19 February 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

## MARINE INFORMATION

## NEW EDITION OF LIST OF LIGHTS

Pub. 110, 2004 Edition, List of Lights, Radio Aids and Fog Signals for Greenland, the East Coast of North and South America (excluding Continental U.S.A. except the East Coast of Florida) and the West Indies, is ready for issue.

This edition contains information available to the National Geospatial-Intelligence Agency (NGA) up to 17 January 2004, including Notice to Mariners No. 3 of 2004.

Corrections subsequent to the above effective date, up to and including Notice to Mariners No. 10 of 2004, are contained in Section II of this Notice.

In the interval between new editions, corrective information affecting this publication will be published in the Notice to Mariners and must be applied in order to keep this publication current.

Note: Copies of the above publication may be obtained from the Government Printing Office (GPO).

## NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand Chart distributed by OceanGrafix ([www.OceanGrafix.com](http://www.OceanGrafix.com)), and
- the Traditional NOAA/NOS paper Chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Charts-on-Demand Chart is available the day after NOAA clears a New Edition for release. The Traditional Chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov) or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below.

|       |   |        |  |
|-------|---|--------|--|
| 540   | 17 <sup>th</sup> Ed. Jan 2004 NEW EDITION WOXGN540<br>HAWAIIAN ISLANDS<br>(New edition due to numerous Notice to Mariners changes and format change.)   | WGS 84 | (NOS Silver Spring, MD)<br>1:3,121,170   |
| 11382 | 40 <sup>th</sup> Ed. Feb 2004 NEW EDITION 11AHA11382<br>FL-AL-PENSACOLA BAY AND APPROACHES<br>(New edition due to various general changes.)   | NAD 83 | (NOS Silver Spring, MD)<br>1:80,000/LORAN-C                                    |
| 12285 | 36 <sup>th</sup> Ed. Jan 2004 NEW EDITION 12XHA12285<br>DC-MD-VA-POTOMAC RIVER<br>(New edition due to numerous Notice to Mariner corrections.)  | NAD 83 | (NOS Silver Spring, MD)<br>1:80,000  |
| 13272 | 48 <sup>th</sup> Ed. Feb 2004 NEW EDITION 13AHA13272<br>MA-BOSTON INNER HARBOR<br>(New edition due to numerous Notice to Mariner changes and hydrographic changes.)   | NAD 83 | (NOS Silver Spring, MD)<br>1:10,000  |
| 14962 | 20 <sup>th</sup> Ed. Feb 2004 NEW EDITION 14XCO14962<br>MI-LAKE SUPERIOR-ST MARYS RIVER TO AU SABLE POINT<br>INSETS: Grand Marais<br>Whitefish Point Harbor<br>Little Lake Harbor<br>(New edition due to numerous Notice to Mariner changes.) | NAD 83 | (NOS Silver Spring, MD)<br>1:120,000/LORAN-C<br>1:15,000<br>1:5,000<br>1:5,000 |
| 16338 | 4 <sup>th</sup> Ed. Jan 2004 NEW EDITION 16BCO16338<br>AK-WEST COAST-BRISTOL BAY-UGASHIK BAY TO EGEGIK BAY<br>(New edition due to change in format.)  | NAD 83 | (NOS Silver Spring, MD)<br>1:100,000/LORAN-C                                   |
| 16522 | 6 <sup>th</sup> Ed. Jan 2004 NEW EDITION 16XHA16522<br>AK-ALUETIAN ISLANDS-UNALASKA ISLAND – BEAVER INLET<br>(New edition due to change in format.)   | NAD 83 | (NOS Silver Spring, MD)<br>1:40,000  |

## SECTION III

- 16682 16<sup>th</sup> Ed. Jan 2004 NEW EDITION 16BCO16682 NAD 83 (NOS Silver Spring, MD)  
AK-SOUTH COAST- CAPE RESURRECTION TO TWO ARM BAY 1:81,847/LORAN-C  
INSET: Seward 1:10,000  
(New edition due to change in format.)
- 16683 10<sup>th</sup> Ed. Jan 2004 NEW EDITION 16BCO16683 NAD 83 (NOS Silver Spring, MD)  
AK-SOUTH COAST-KENAI PENINSULA-POINT ELRINGTON  
TO CAPE RESURRECTION 1:81,436/LORAN-C  
(New edition due to change in format.)
- 17406 7<sup>th</sup> Ed. Jan 2004 NEW EDITION 17XHA17406 NAD 83 (NOS Silver Spring, MD)  
AK-BAKER, NOYES, LULU ISLANDS AND ADJACENT WATERS 1:40,000  
(New edition due to change in format.)
- 17378 14<sup>th</sup> Ed. Jan 2004 NEW EDITION 17BHA17378 NAD 83 (NOS Silver Spring, MD)  
AK-SOUTHEAST COAST-PRINCE OF WALES ISLAND-PORT PROTECTION 1: 20,000  
(New edition due to change in format.)

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

## **MARINE INFORMATION REPORT AND SUGGESTION SHEET**

Observer \_\_\_\_\_ Ship/Organization \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Email address \_\_\_\_\_

Date of Observation \_\_\_\_\_ Time of Observation (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Product(s) Affected \_\_\_\_\_ Edition \_\_\_\_\_

Latest correction applied: N.M. \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_ Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

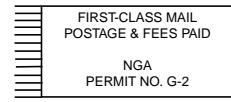
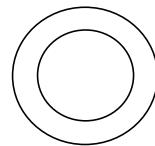
Details of Information Reported (continue on additional sheets as necessary) \_\_\_\_\_  
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User Feedback (continue on additional sheets as necessary) \_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_



**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**

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## ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address\_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

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Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

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Date of Insertion \_\_\_\_\_ Date of Removal \_\_\_\_\_

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

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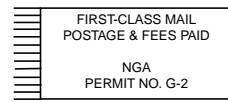
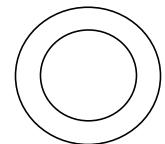
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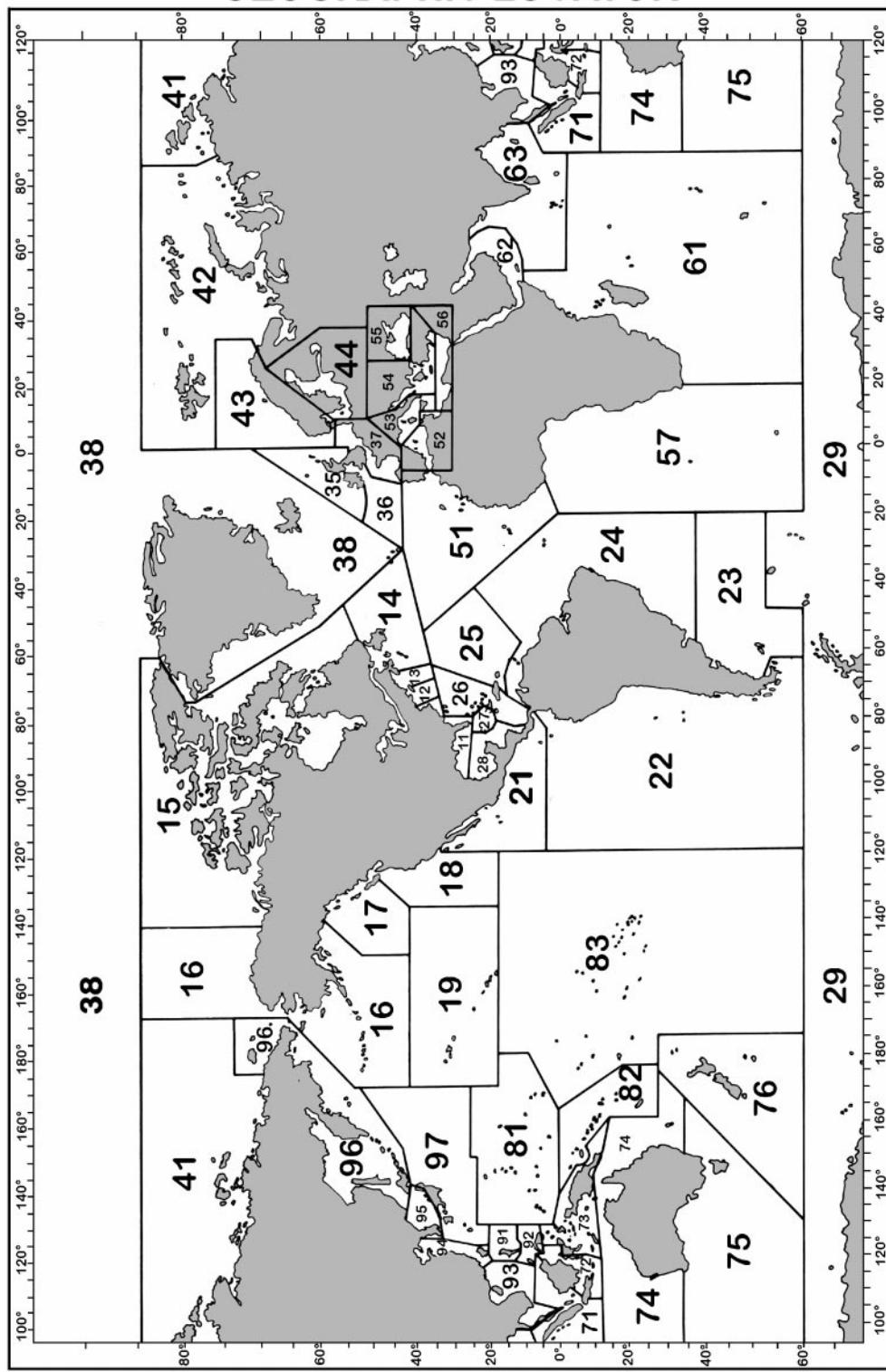
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**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**

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## GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

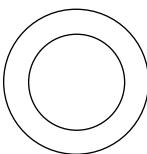
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

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TIME-DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**